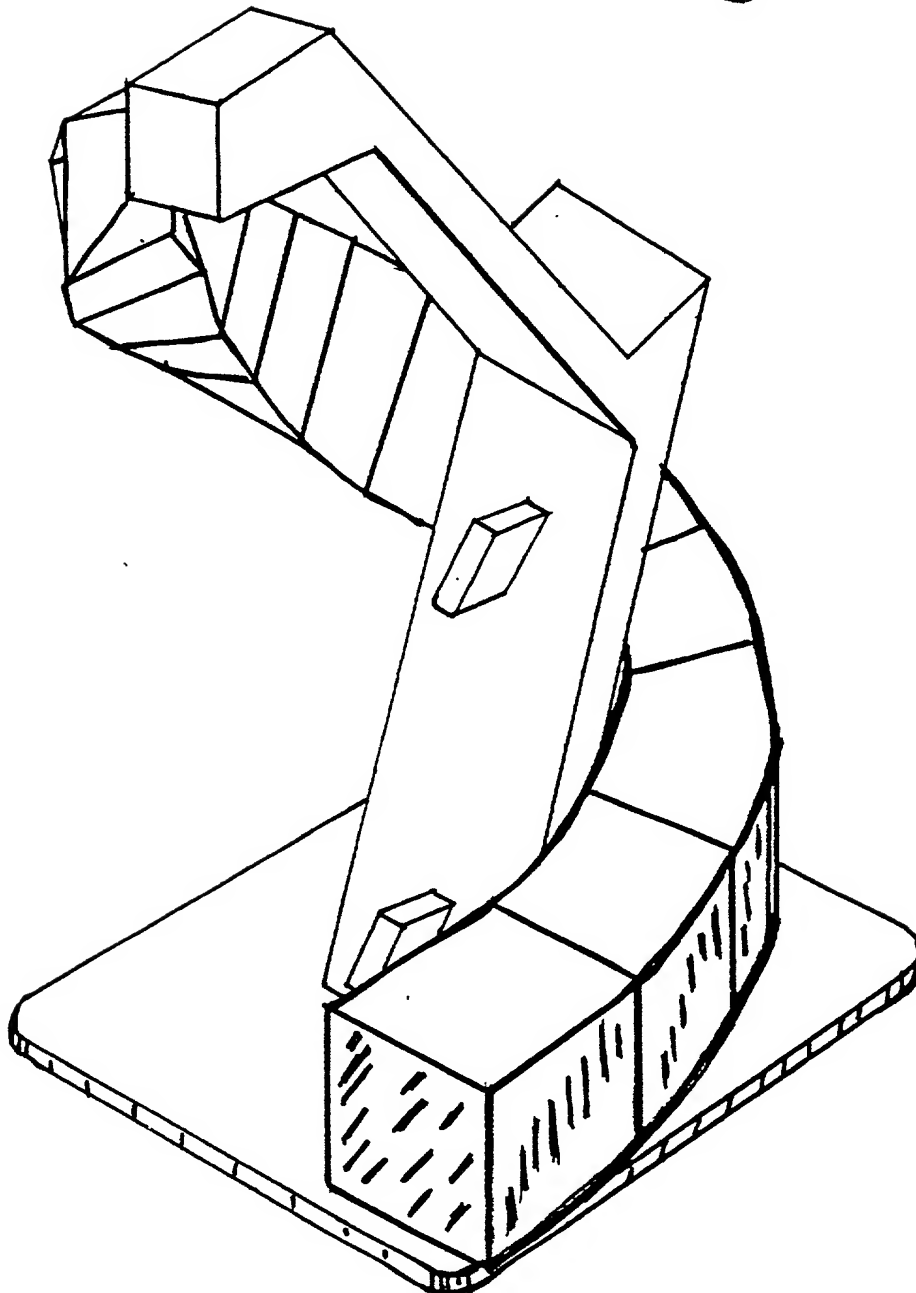


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Fig. 1



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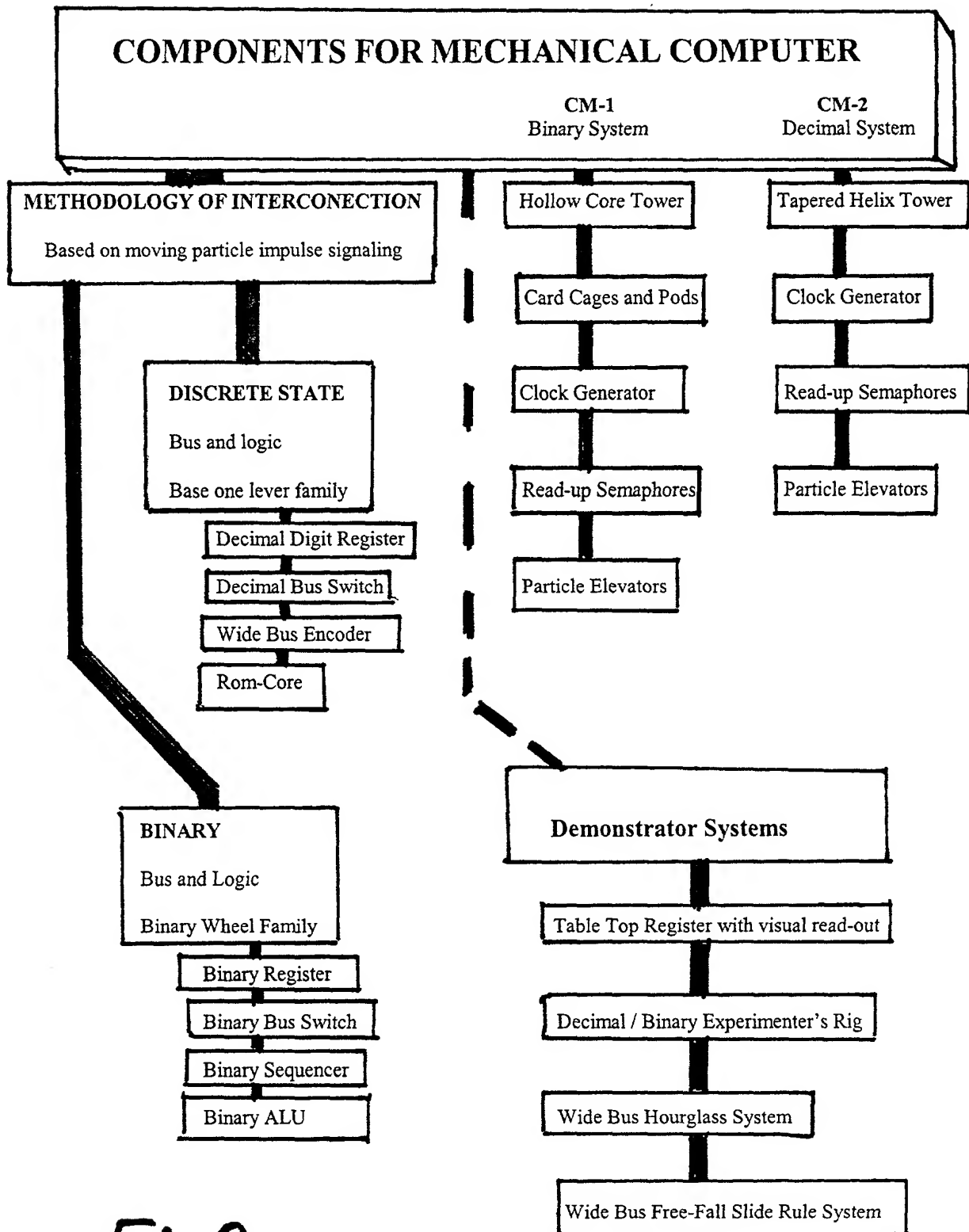
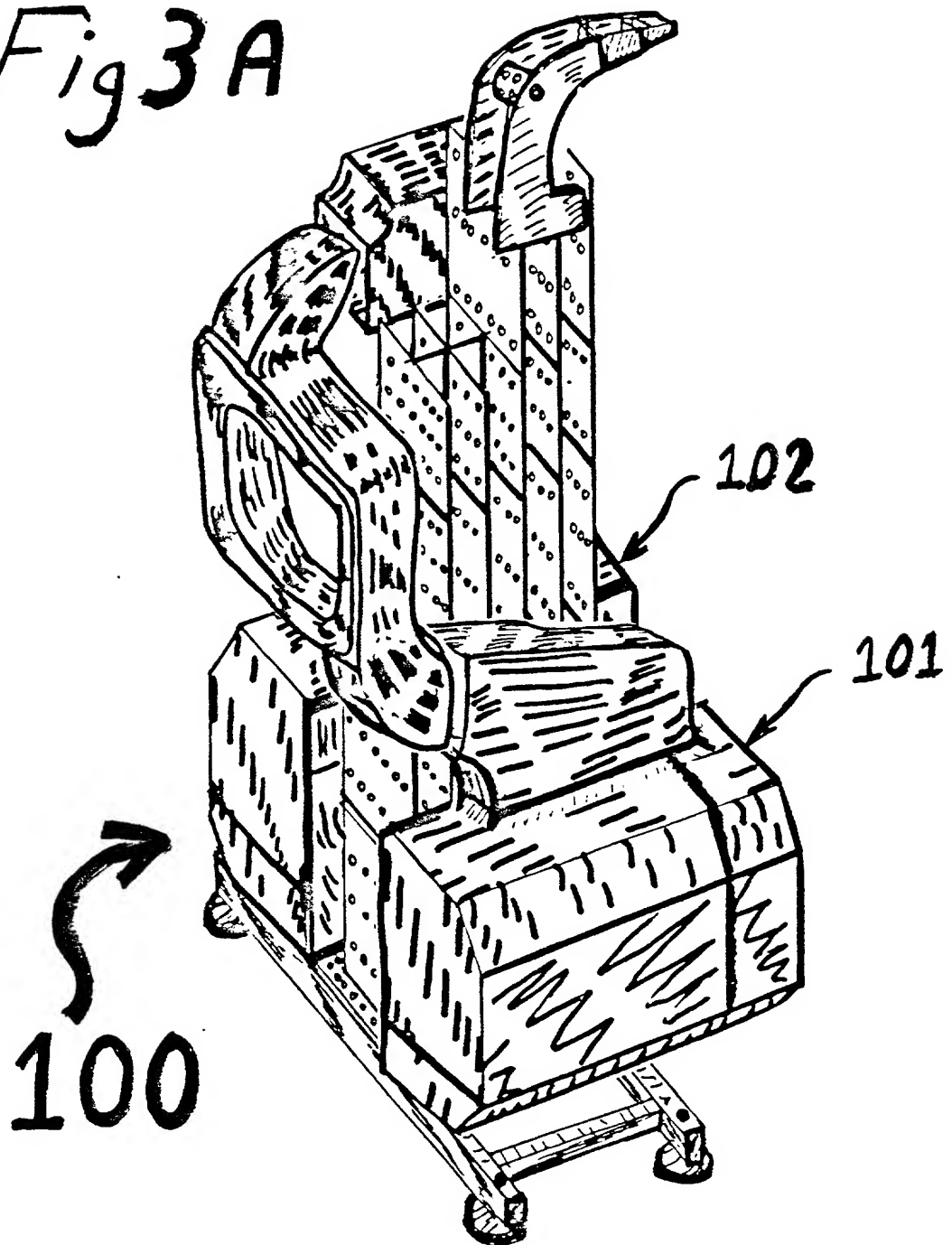


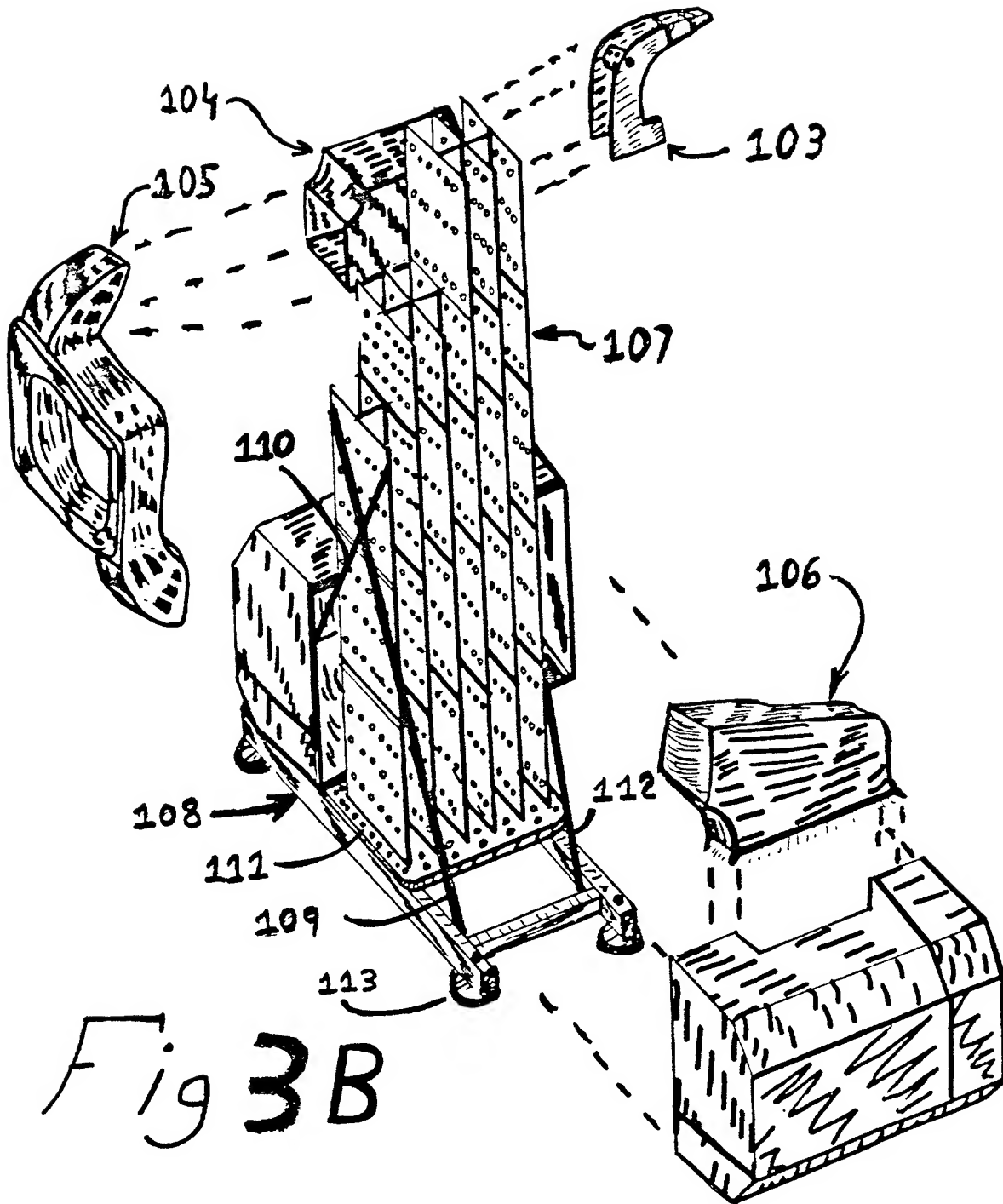
Fig2

Fig 3A



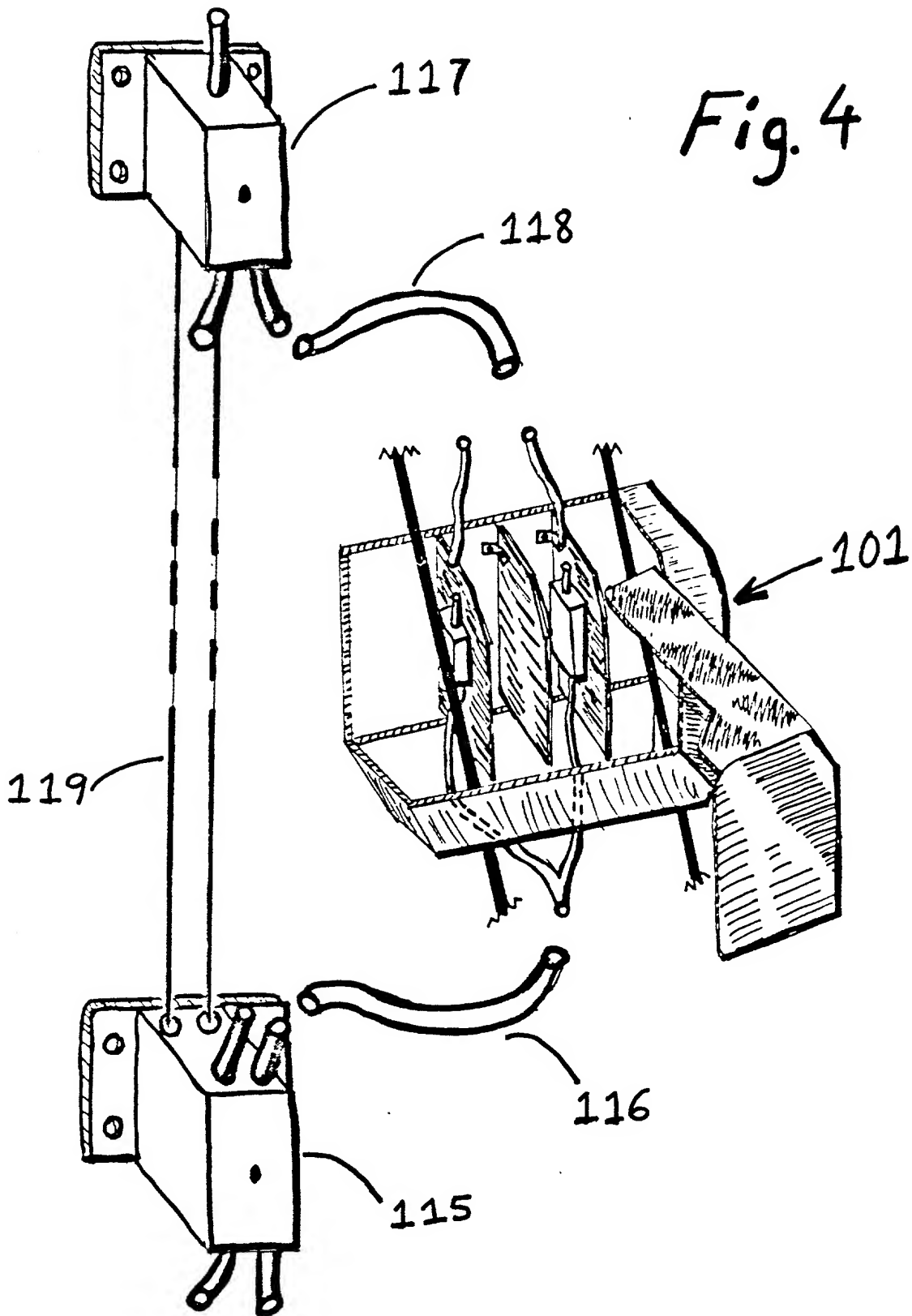
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201710109564001



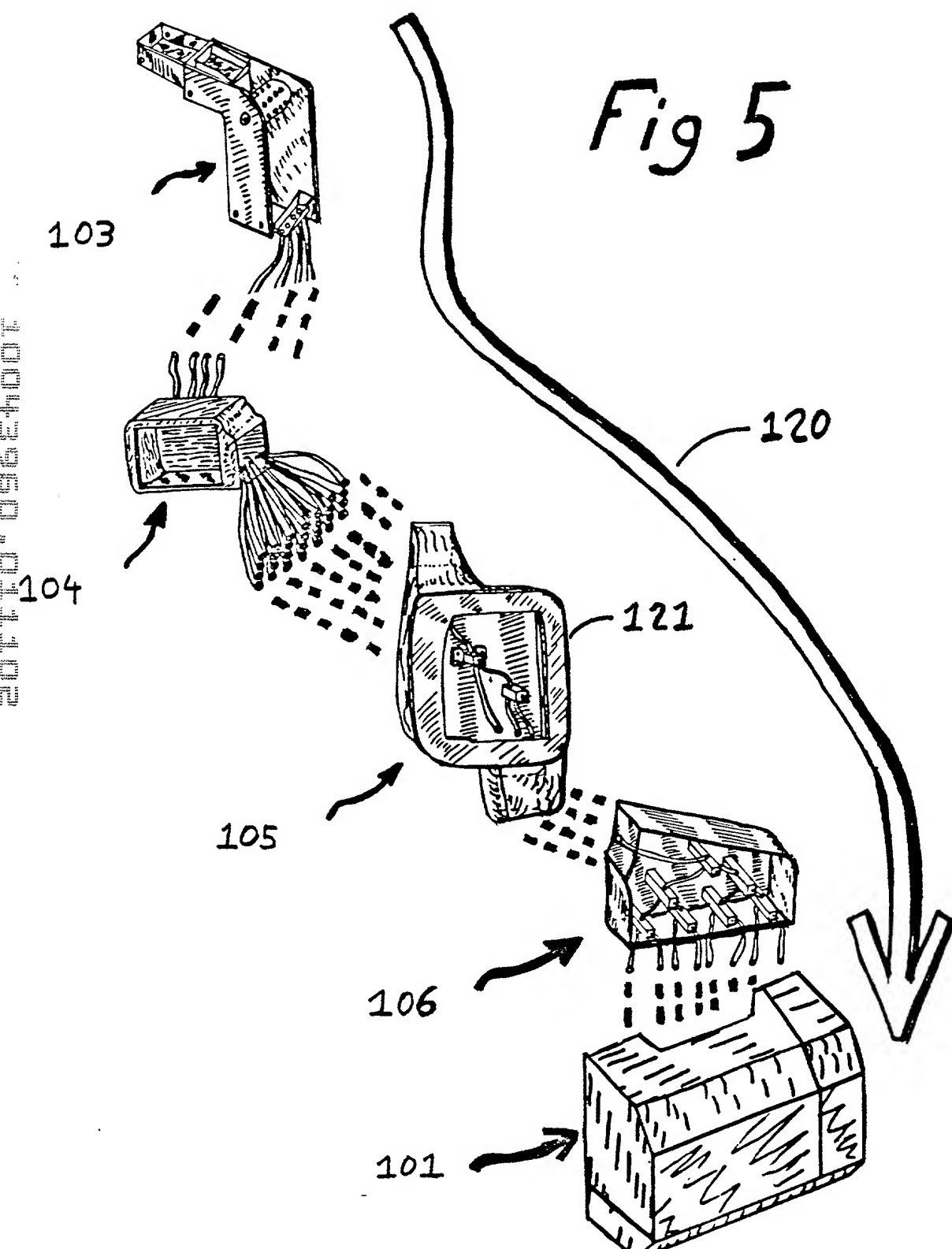
5 / 8 8

Fig. 4



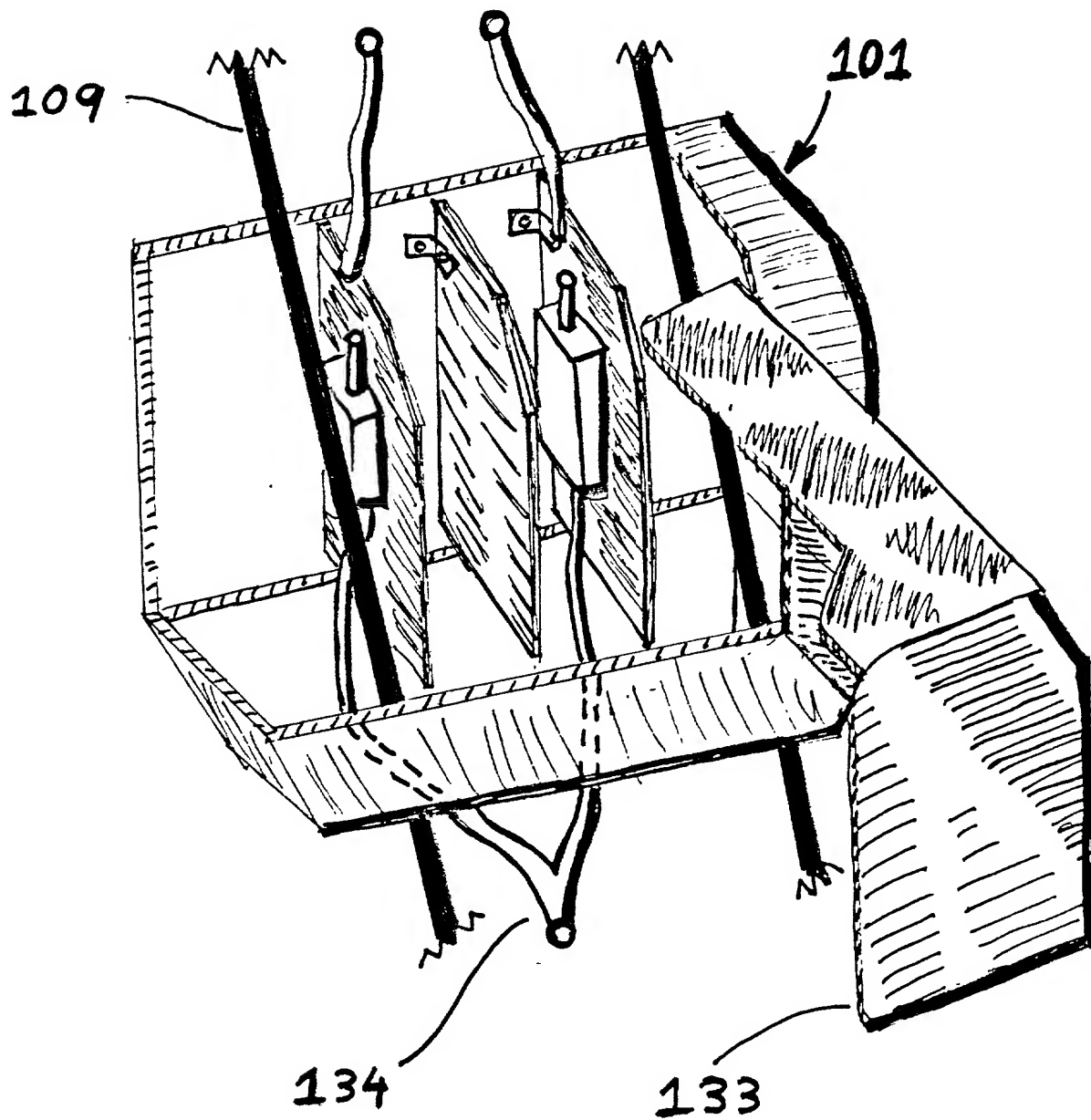
20171009664001

Fig 5



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Fig. 6



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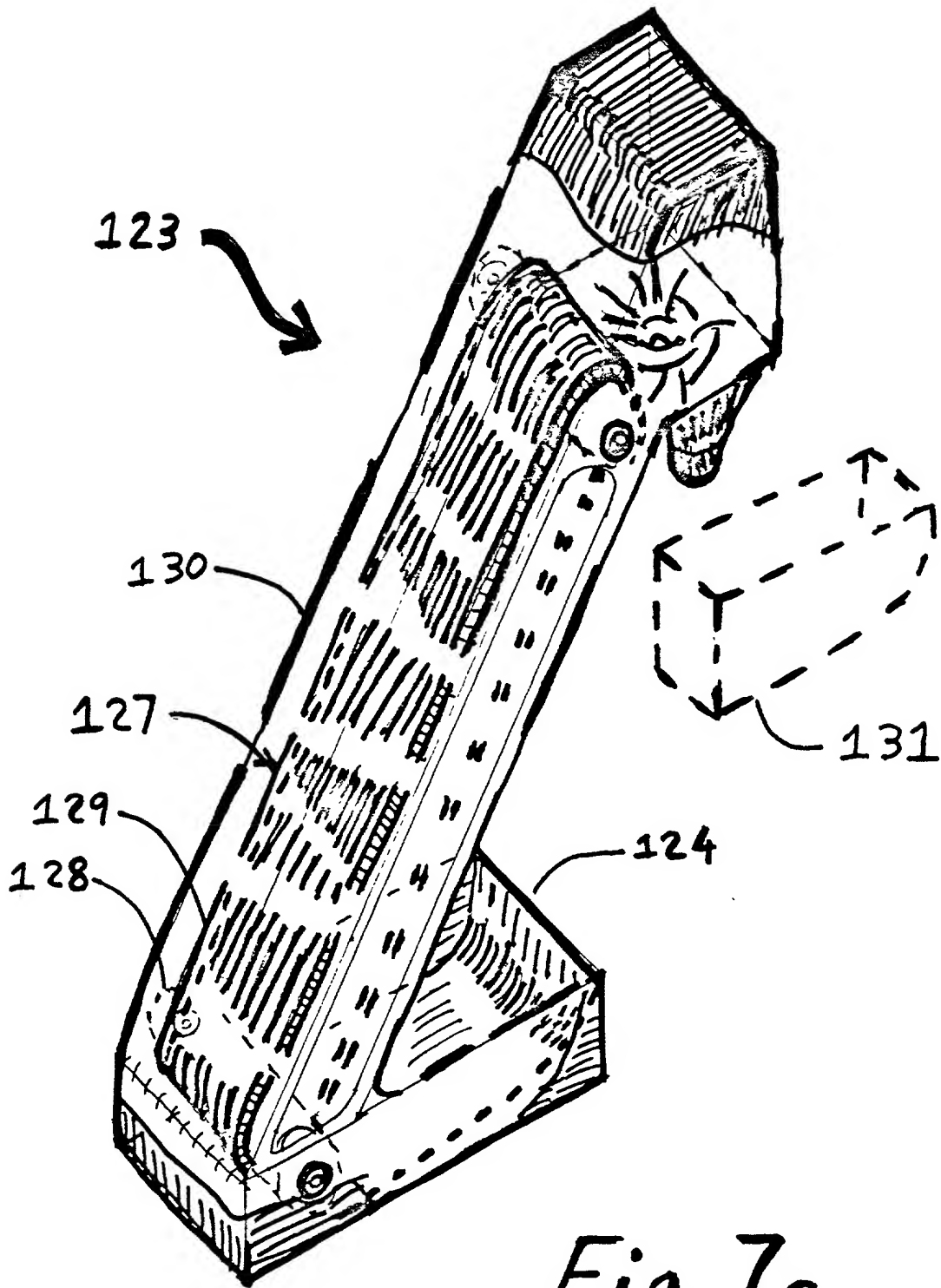


Fig. 7a

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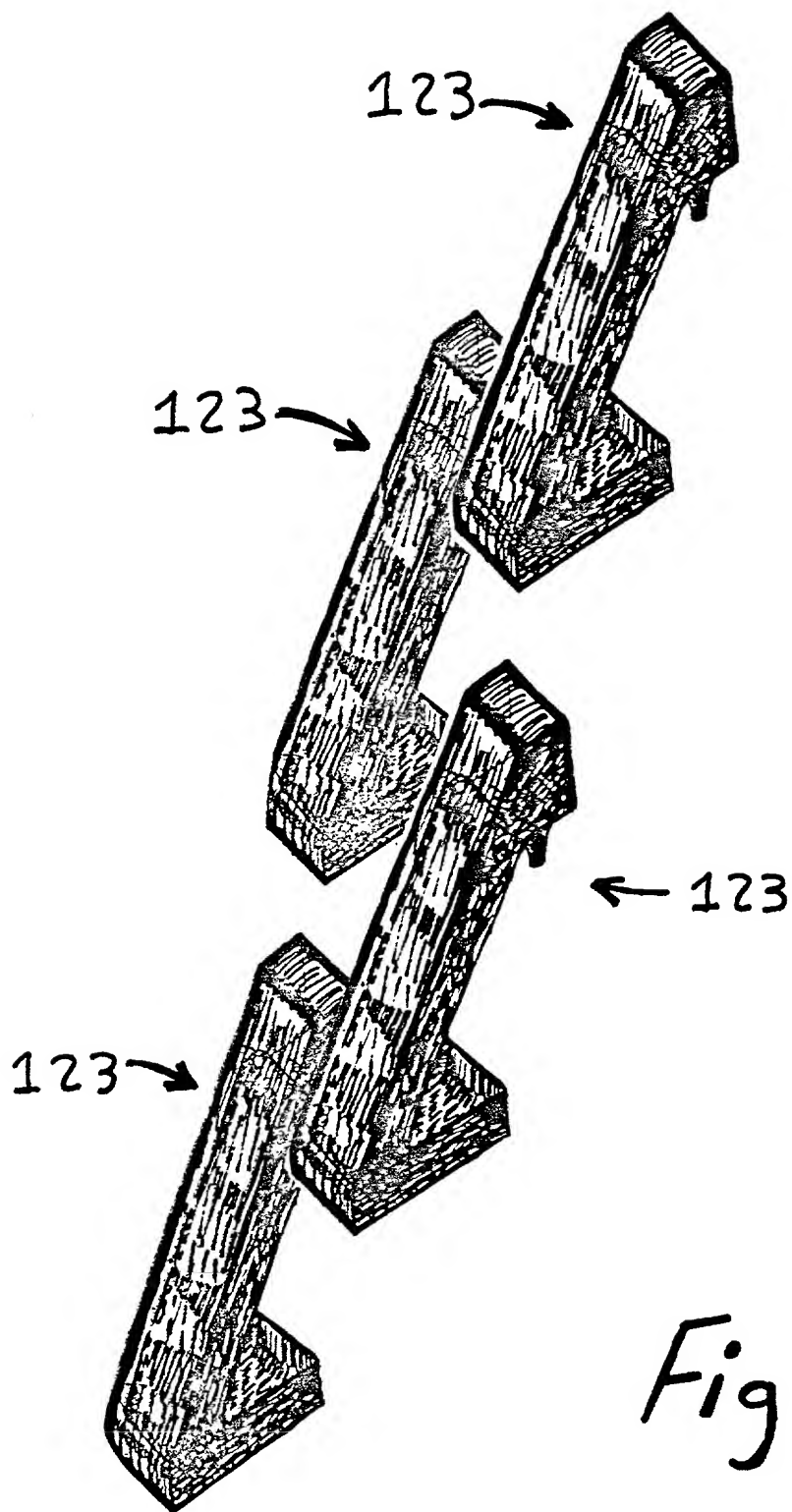


Fig 7b

Fig. 8

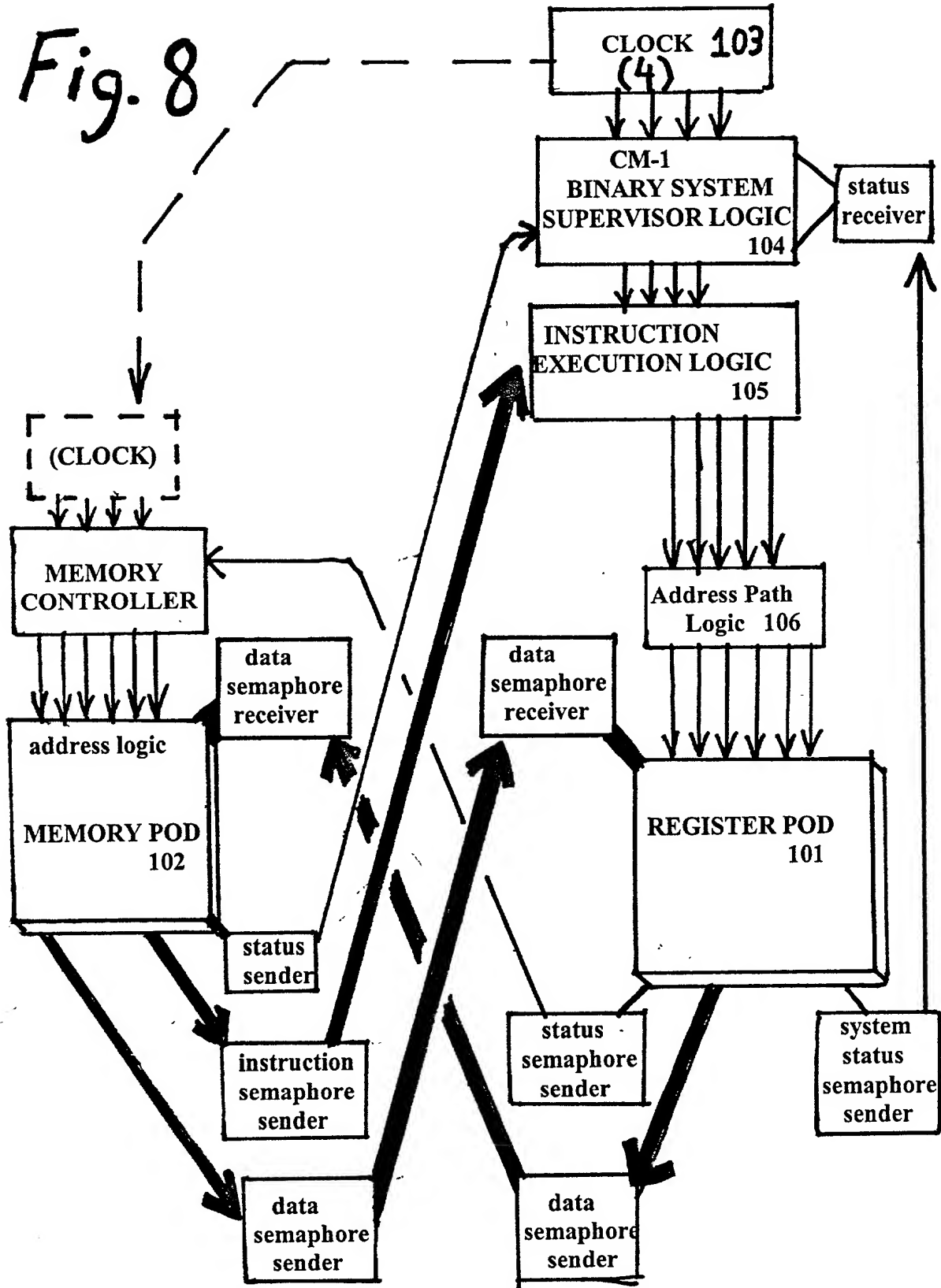
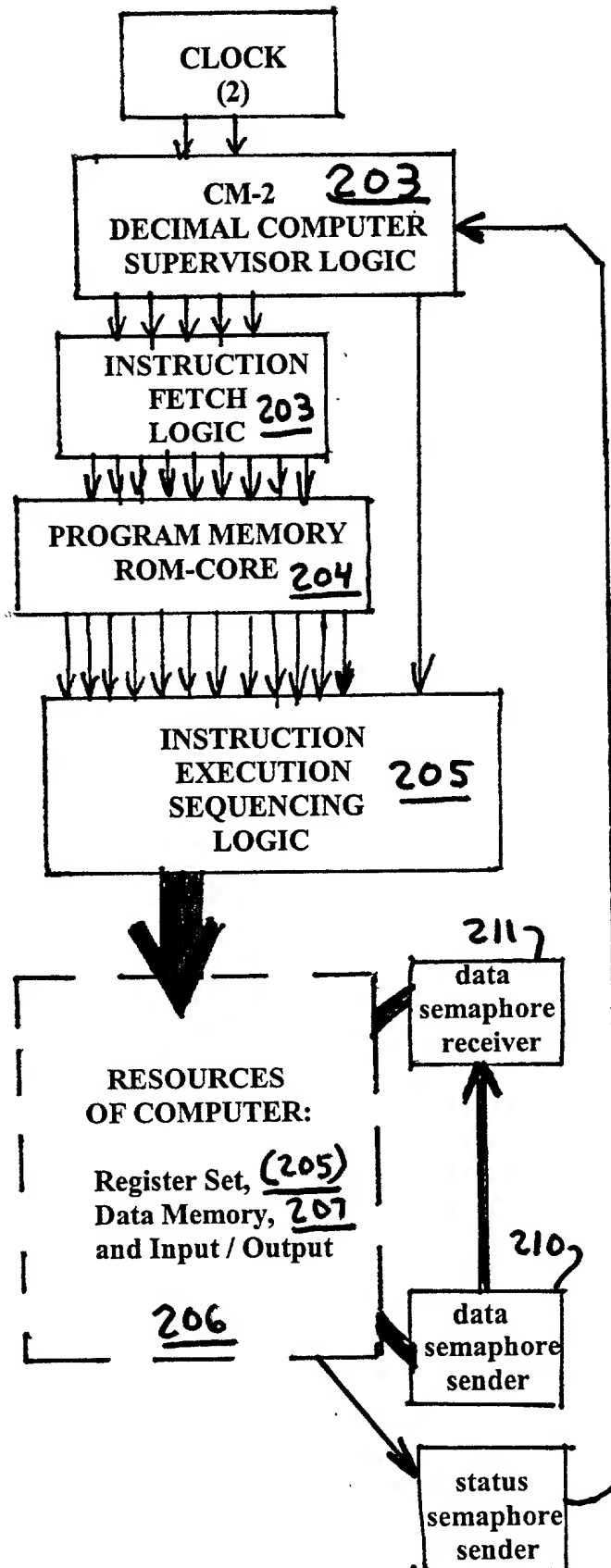


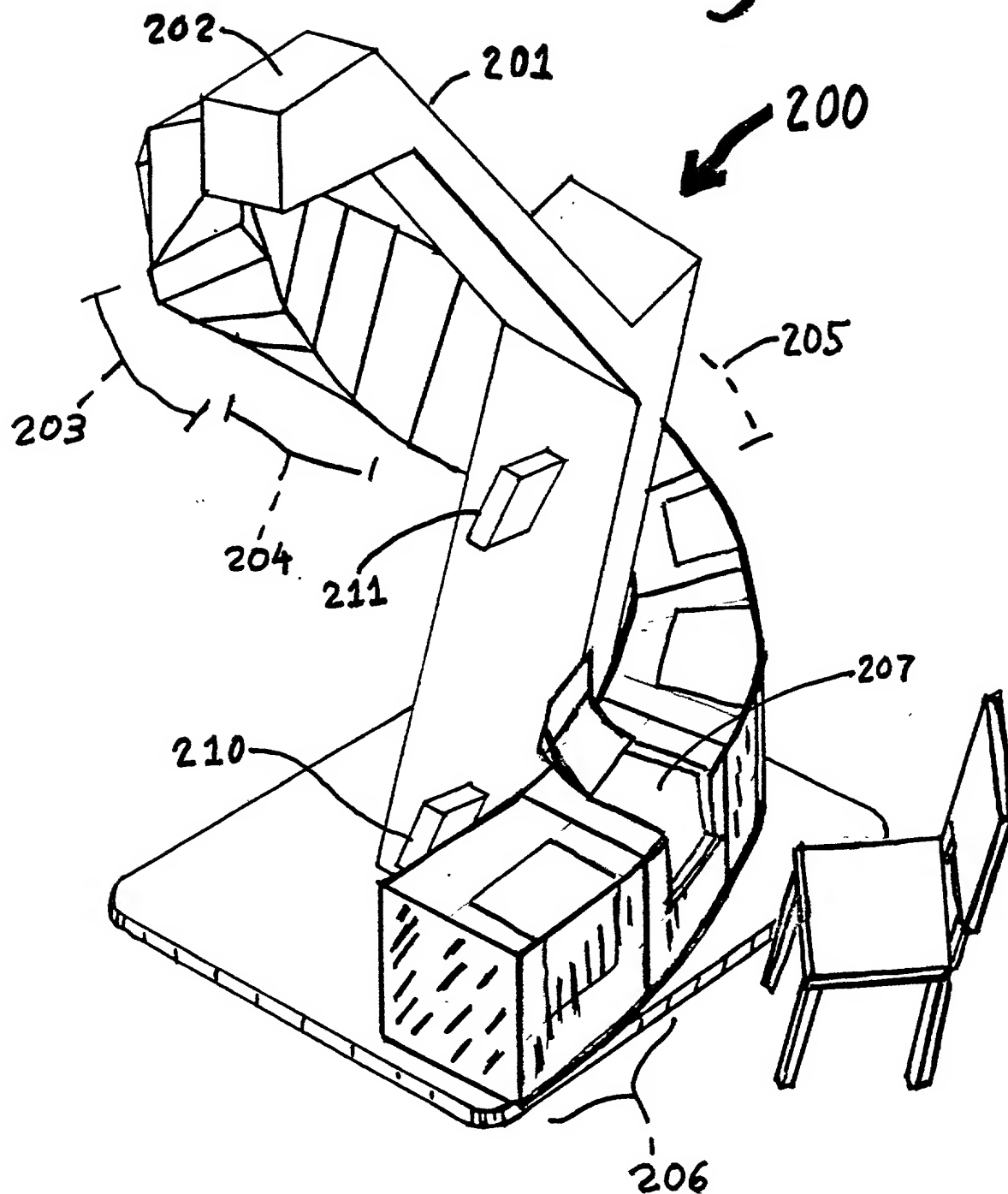
Fig.9



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Fig. 10



10043960:01.102

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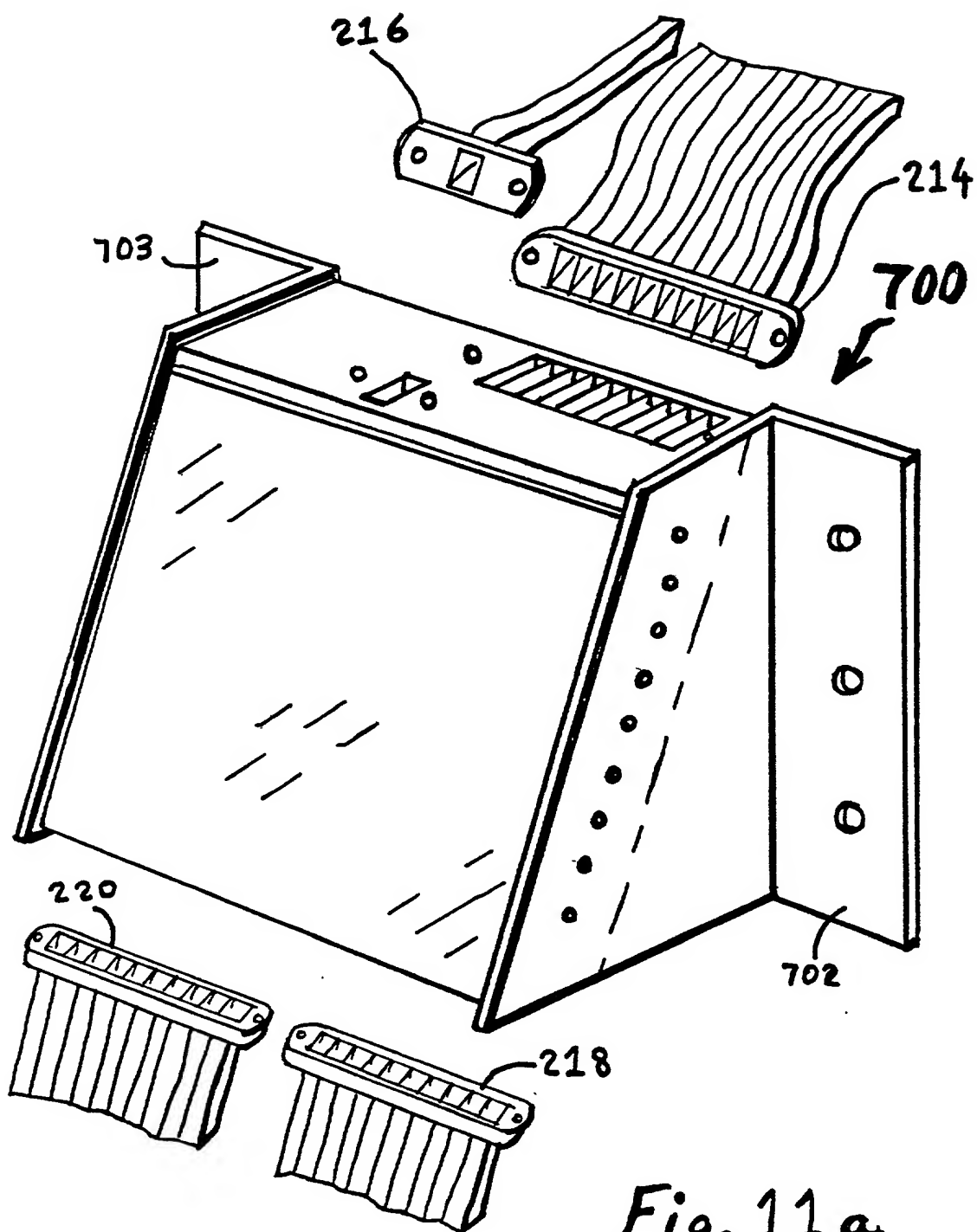


Fig. 11a

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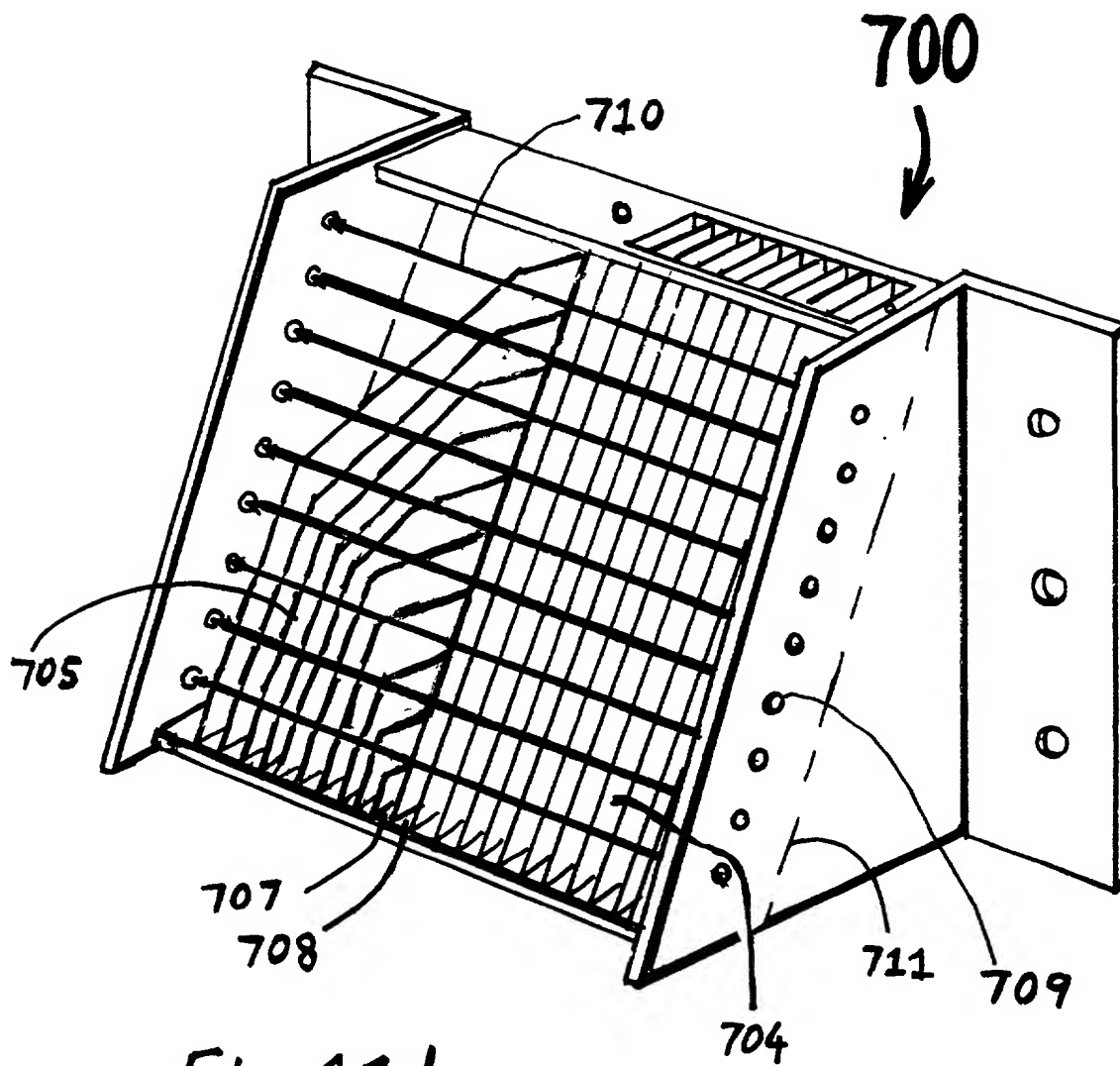


Fig. 11b

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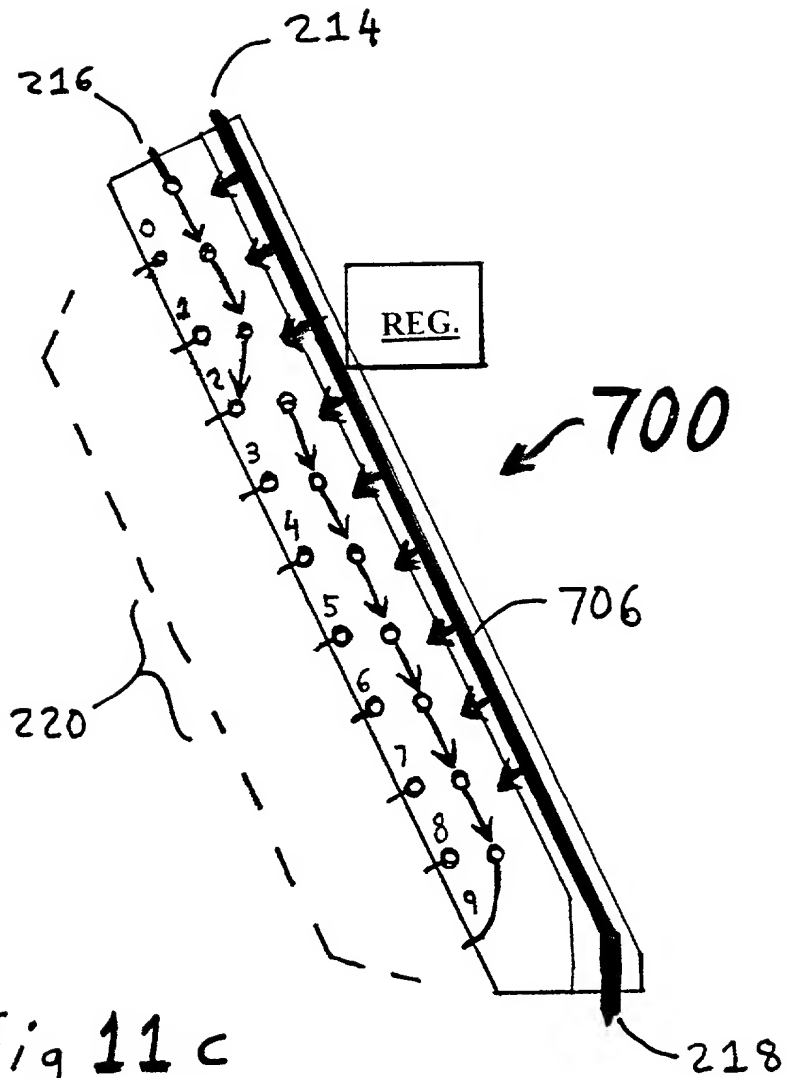


Fig 11c

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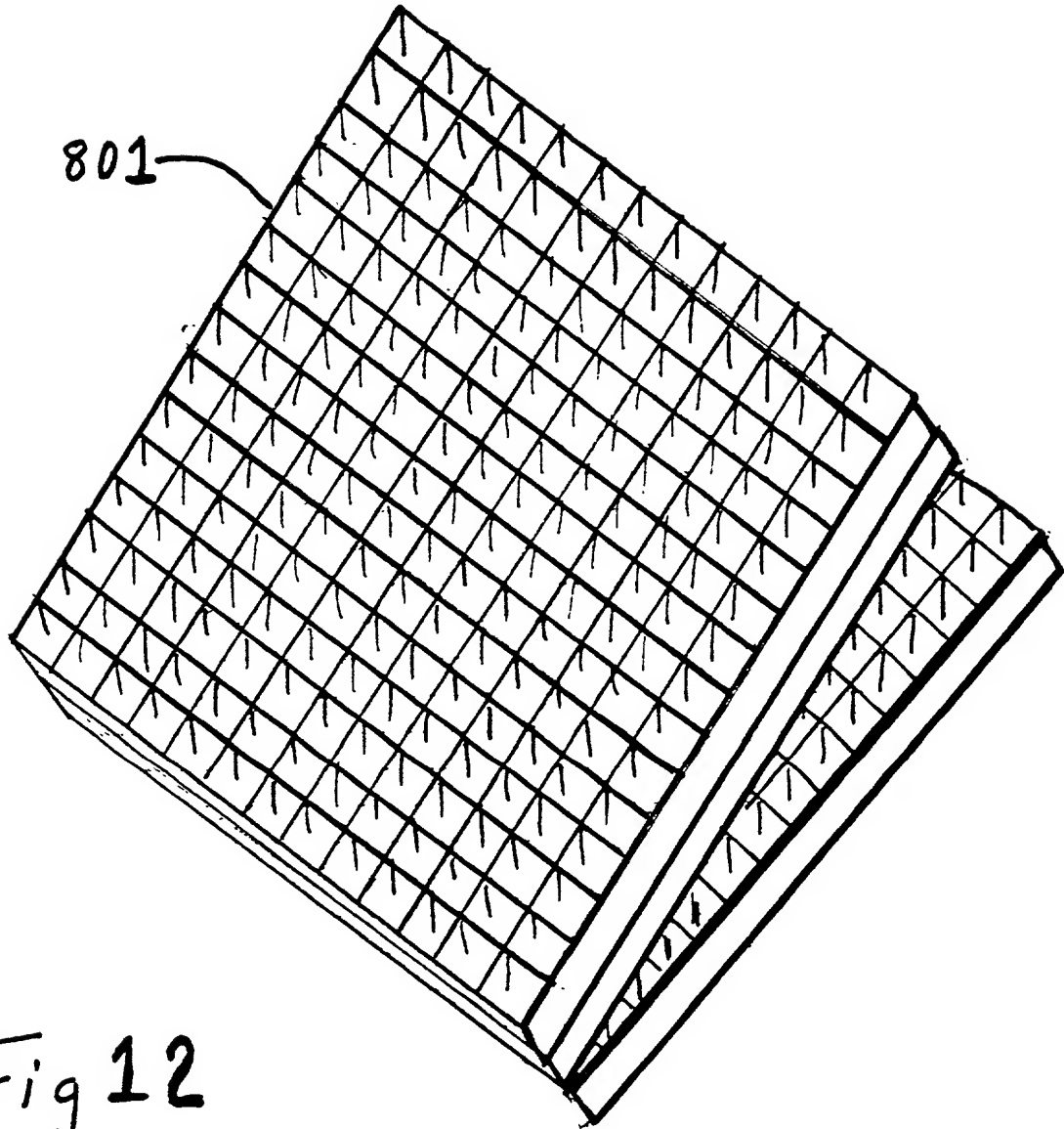
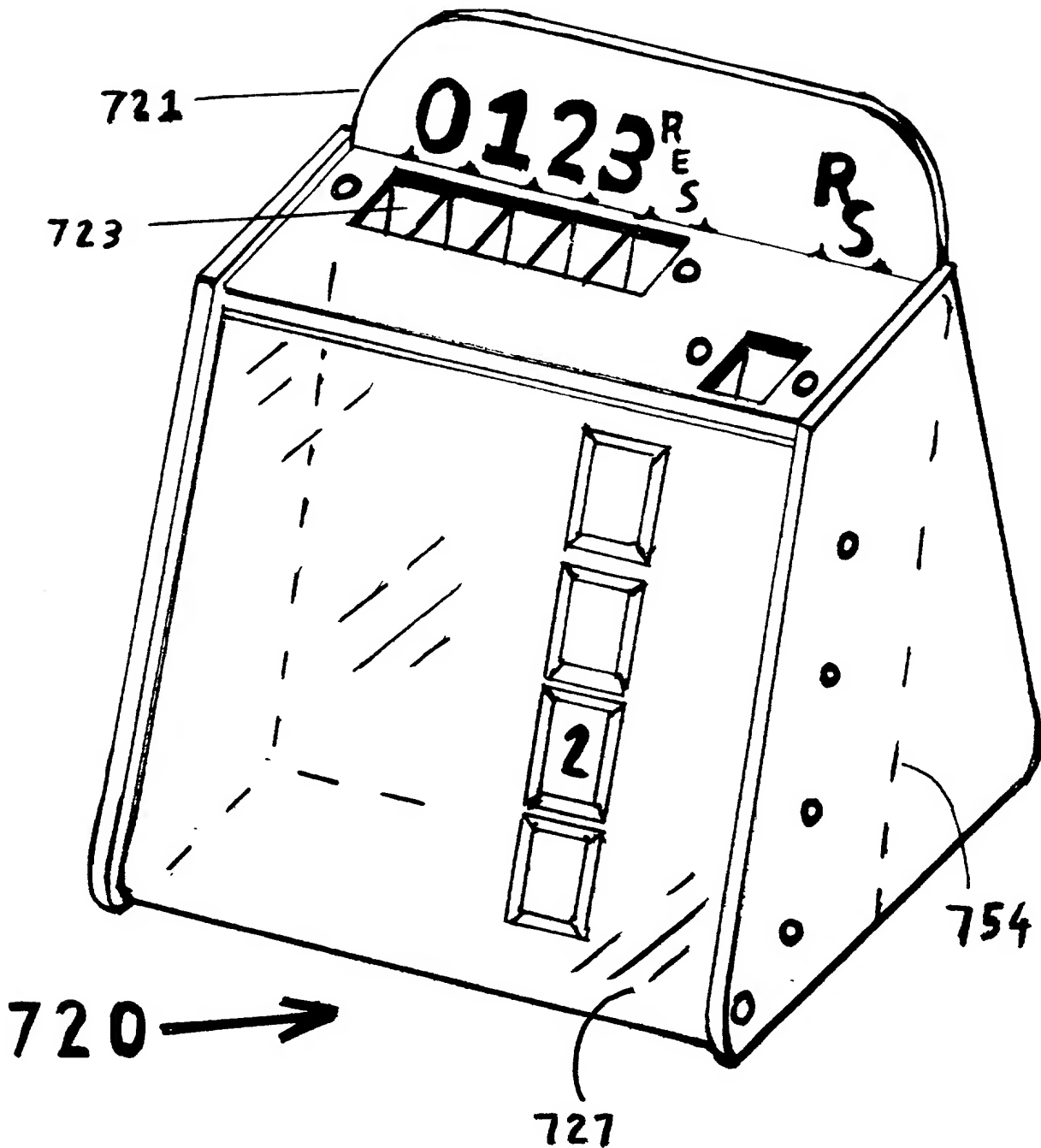


Fig 12

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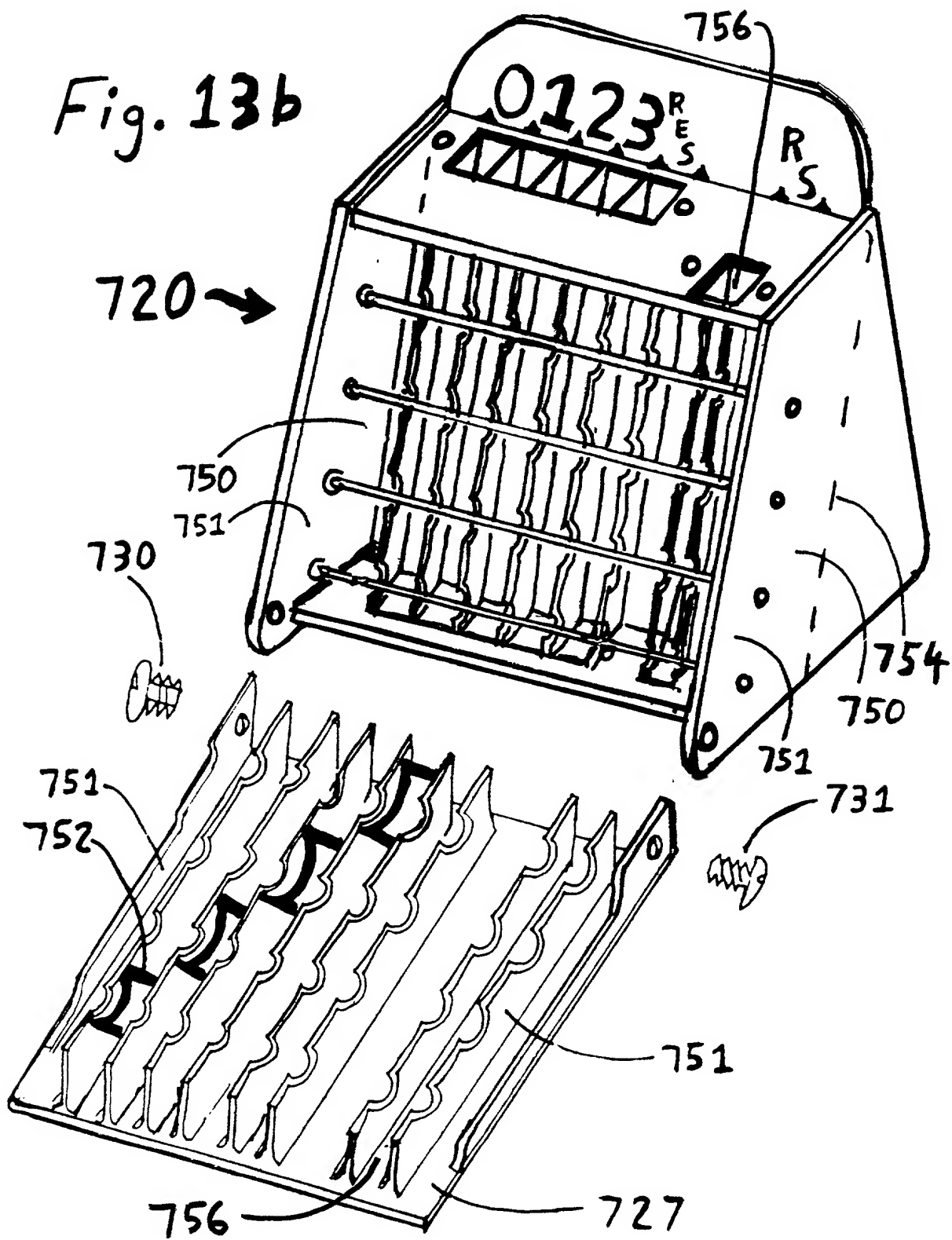
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Fig.13 a



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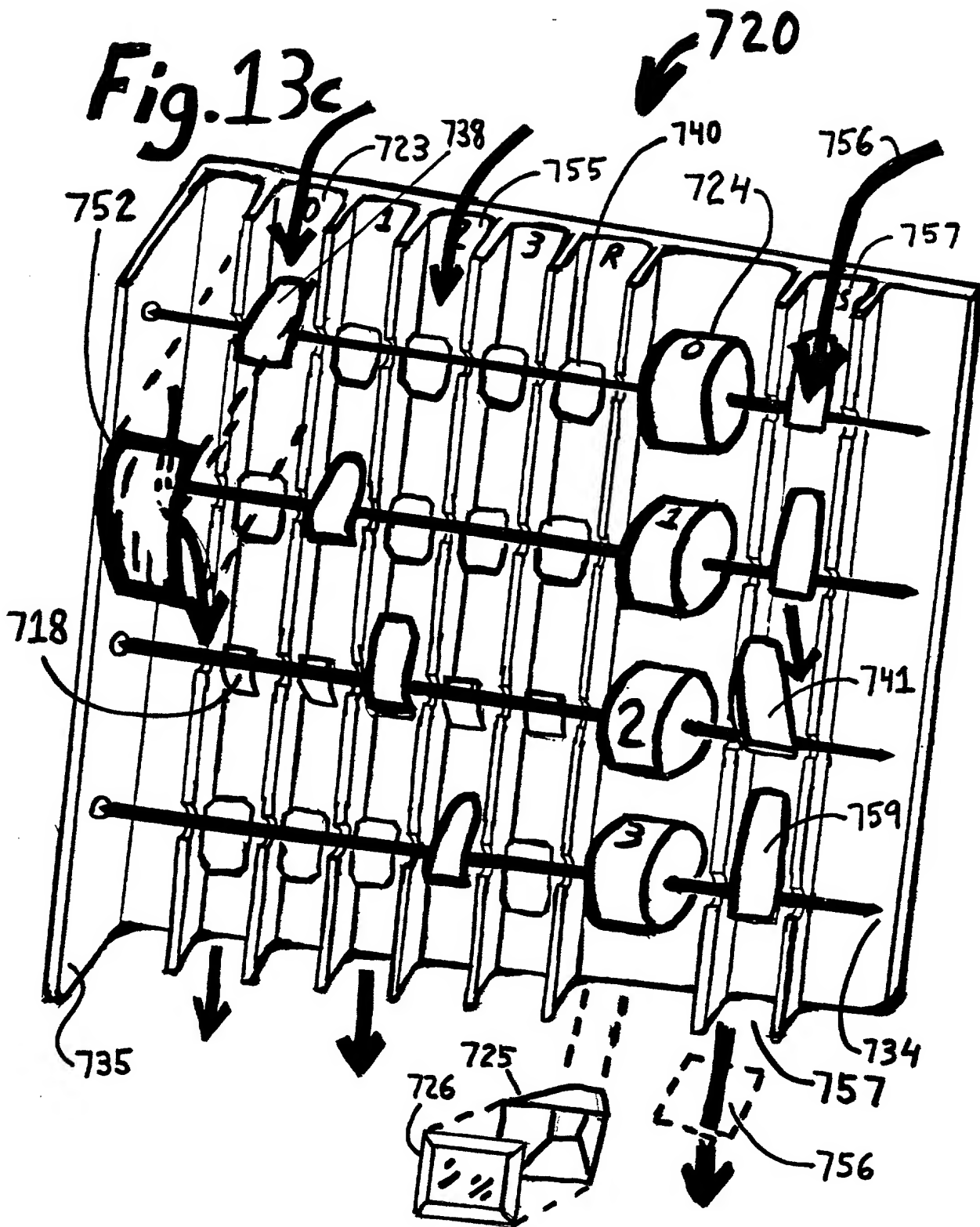
Fig. 13b



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Fig. 13c



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Fig 14a

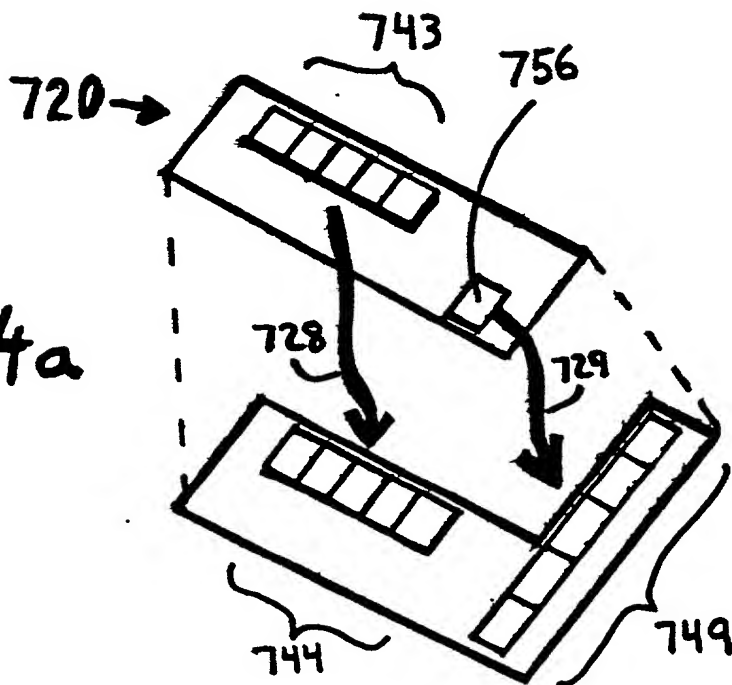


Fig 14b

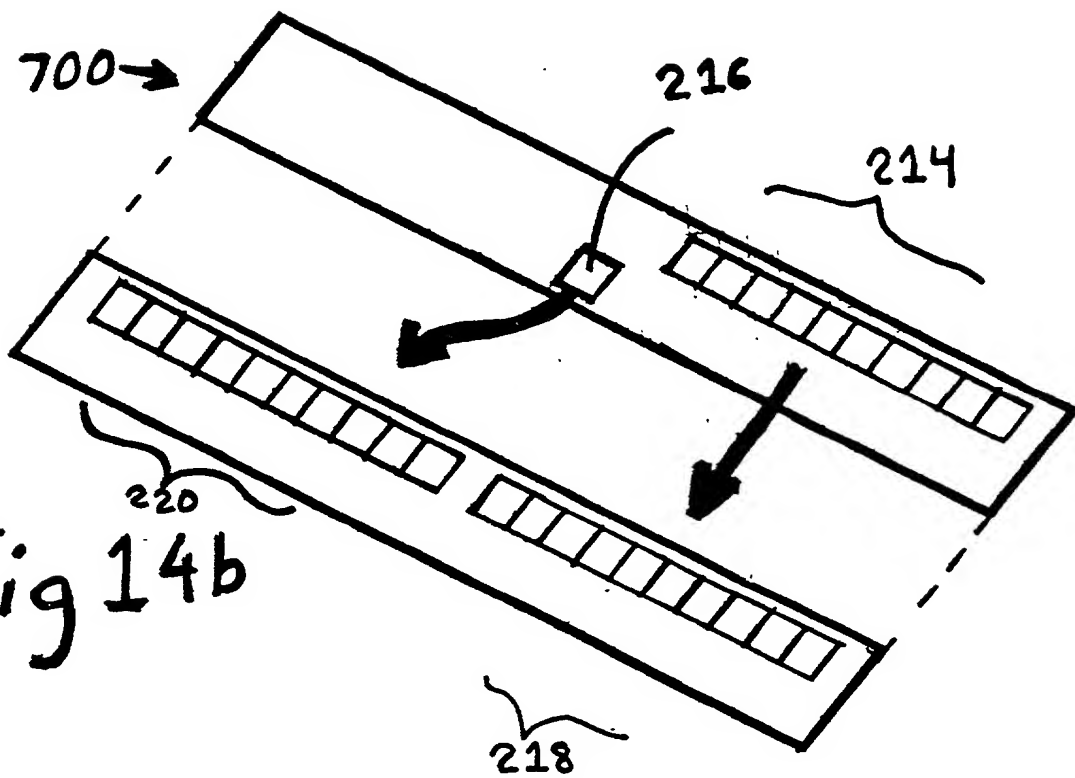
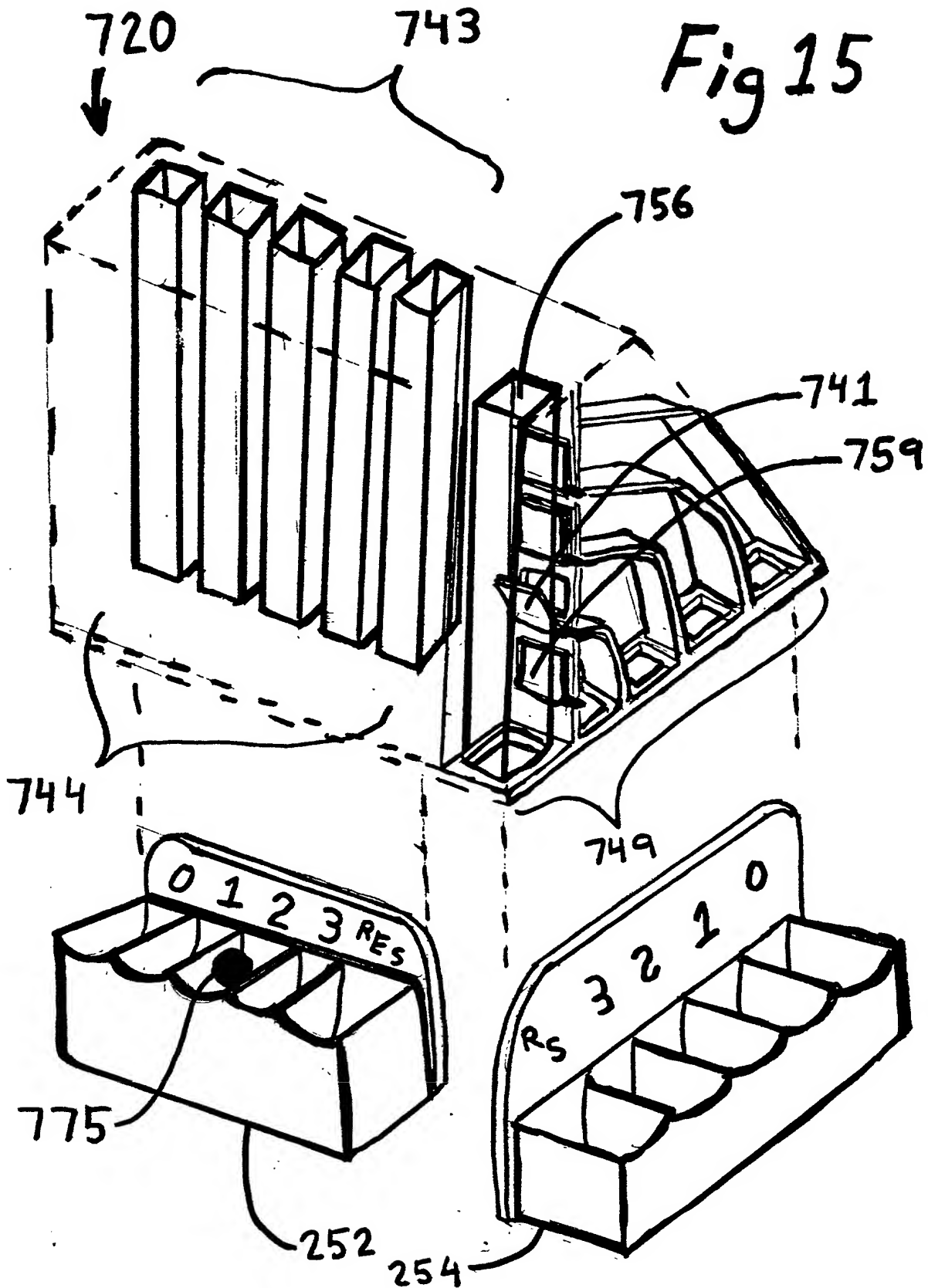


Fig 15



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22188

10043950.01.103

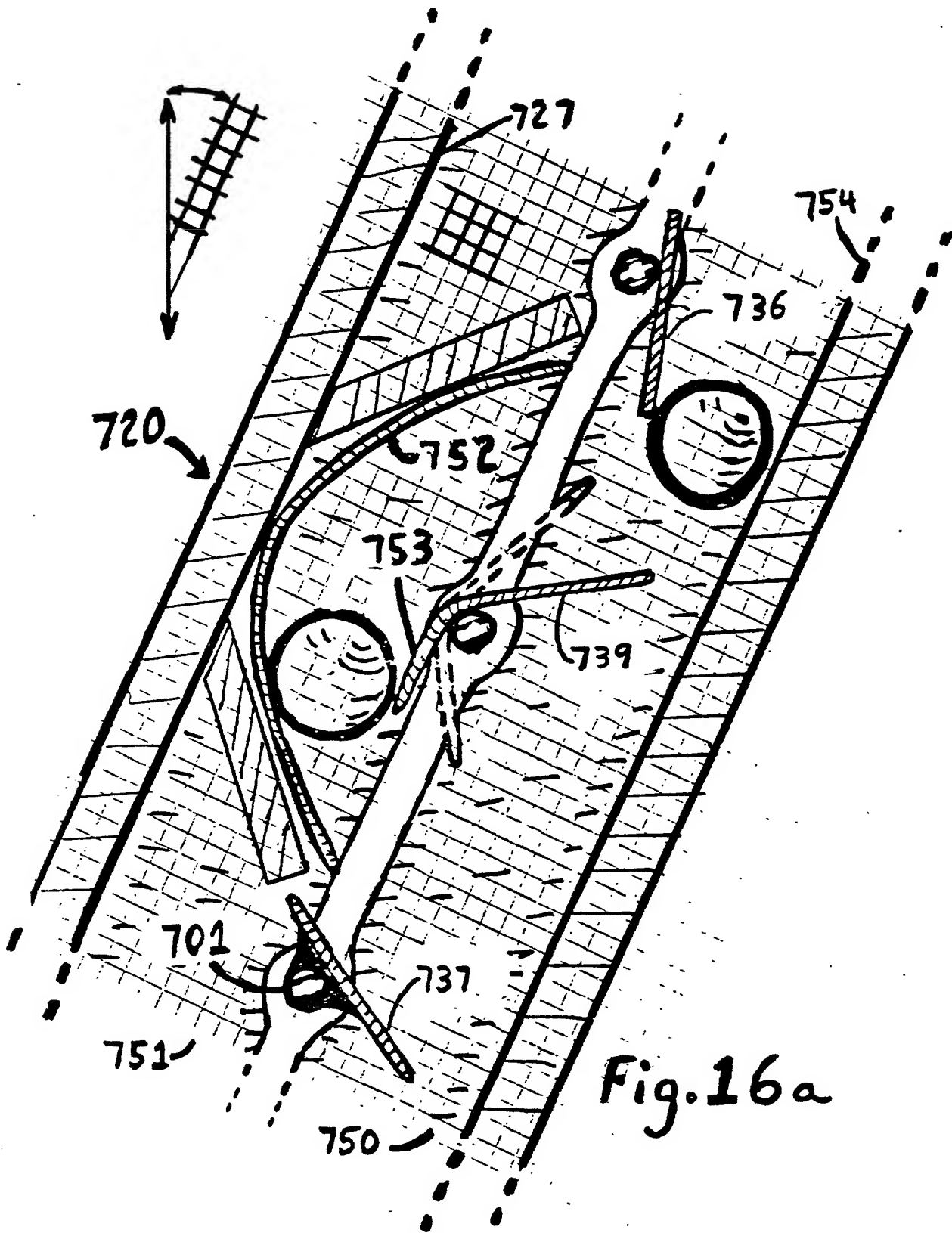
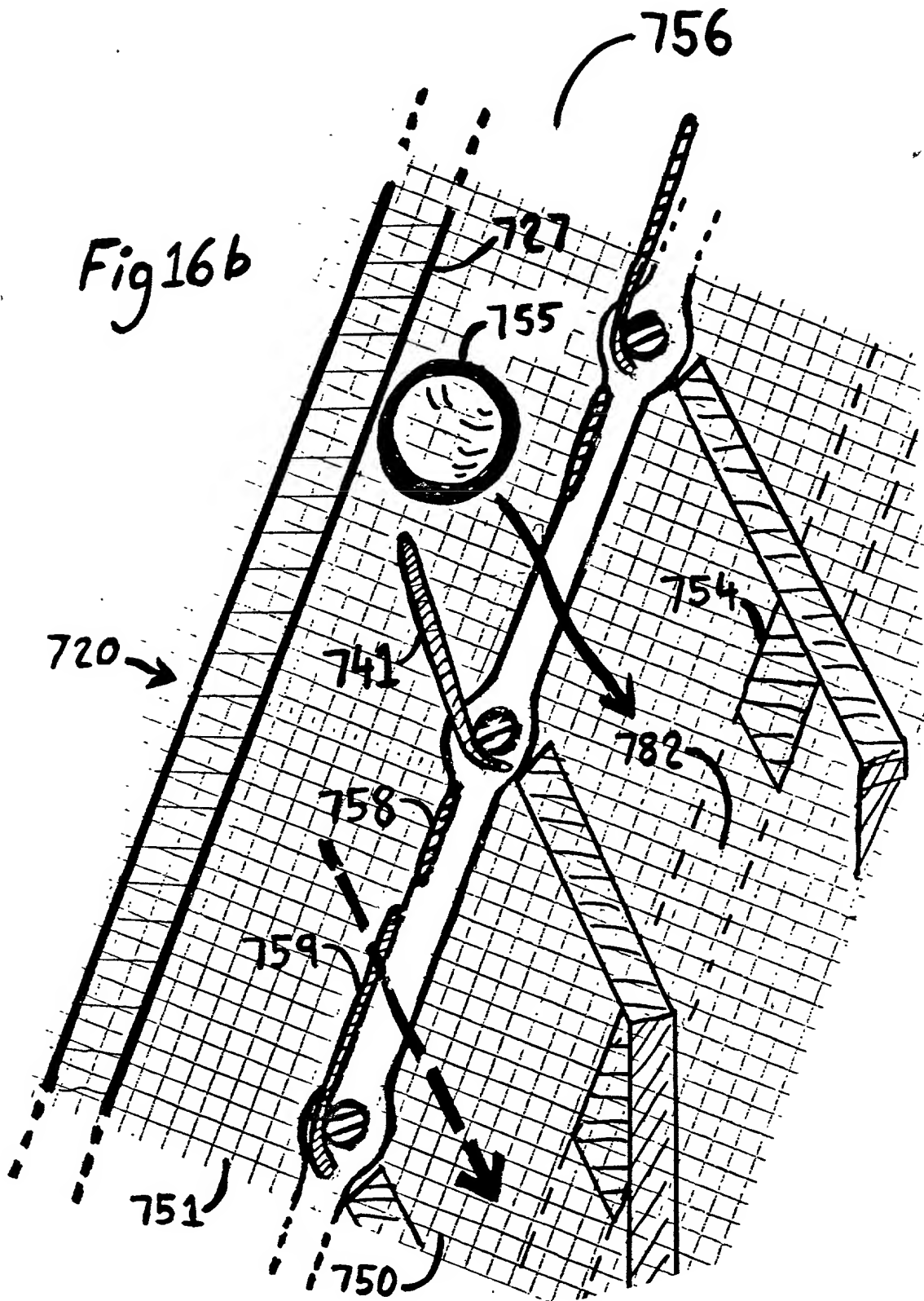
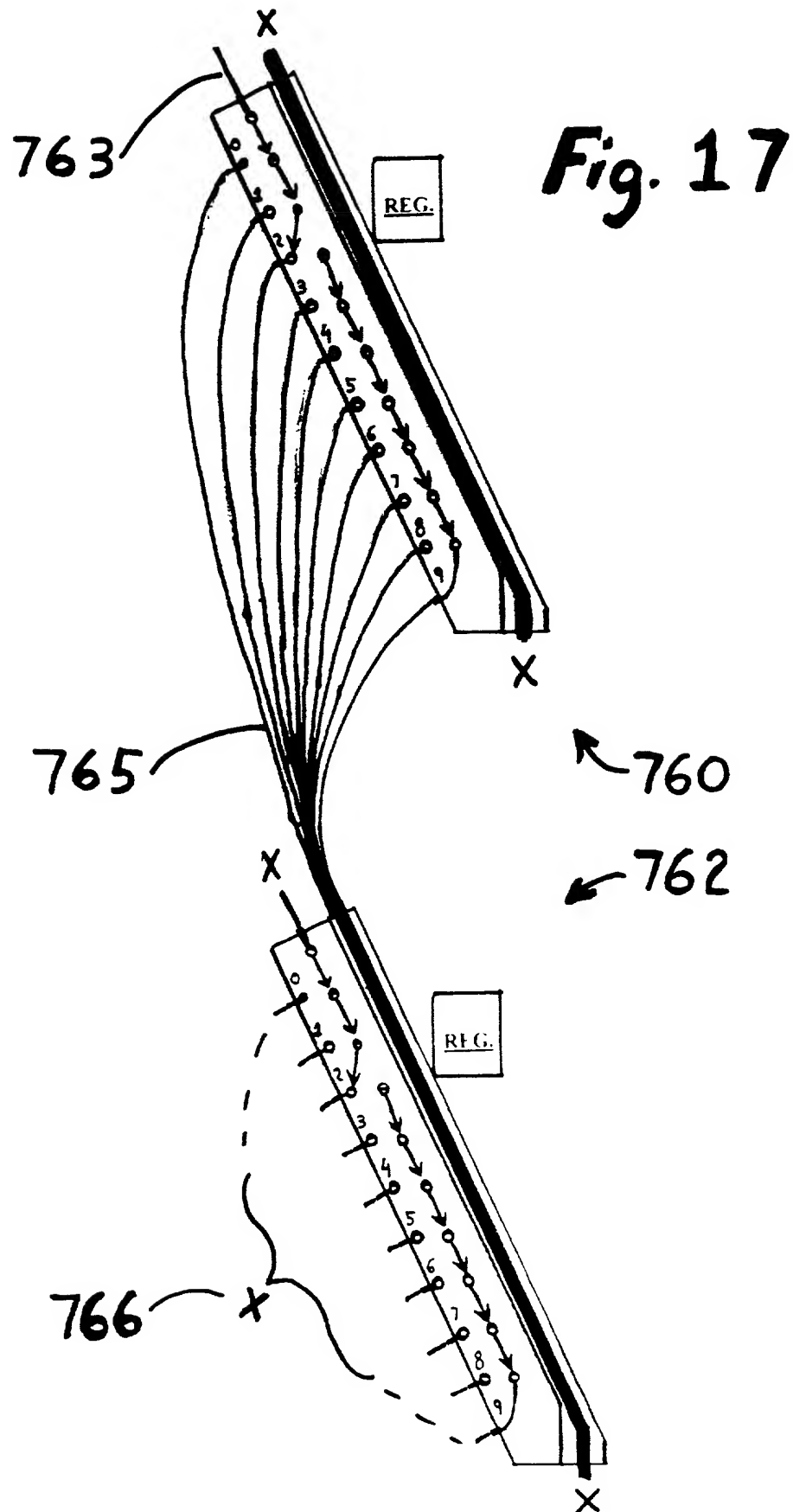


Fig 16b



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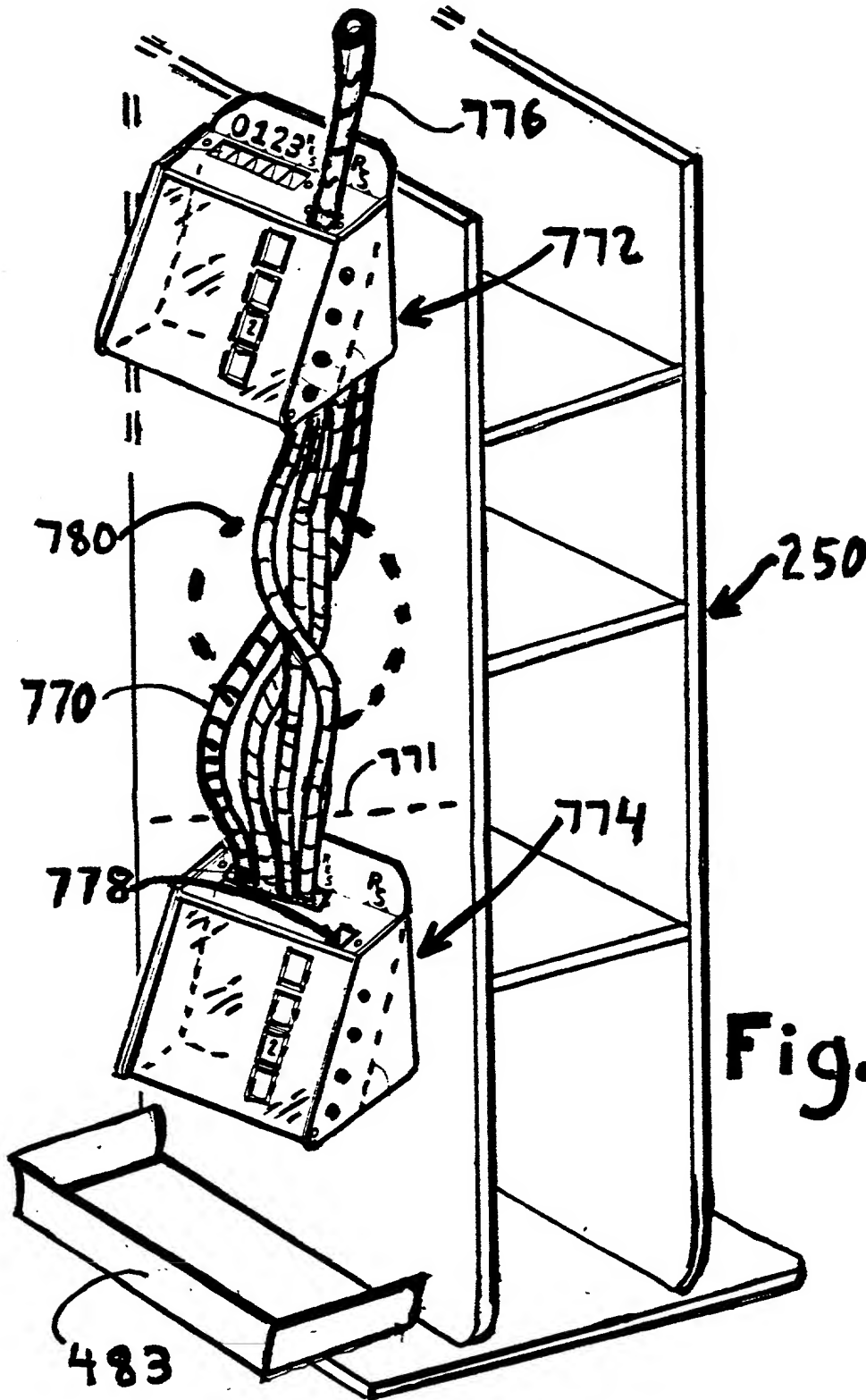


Fig. 18a

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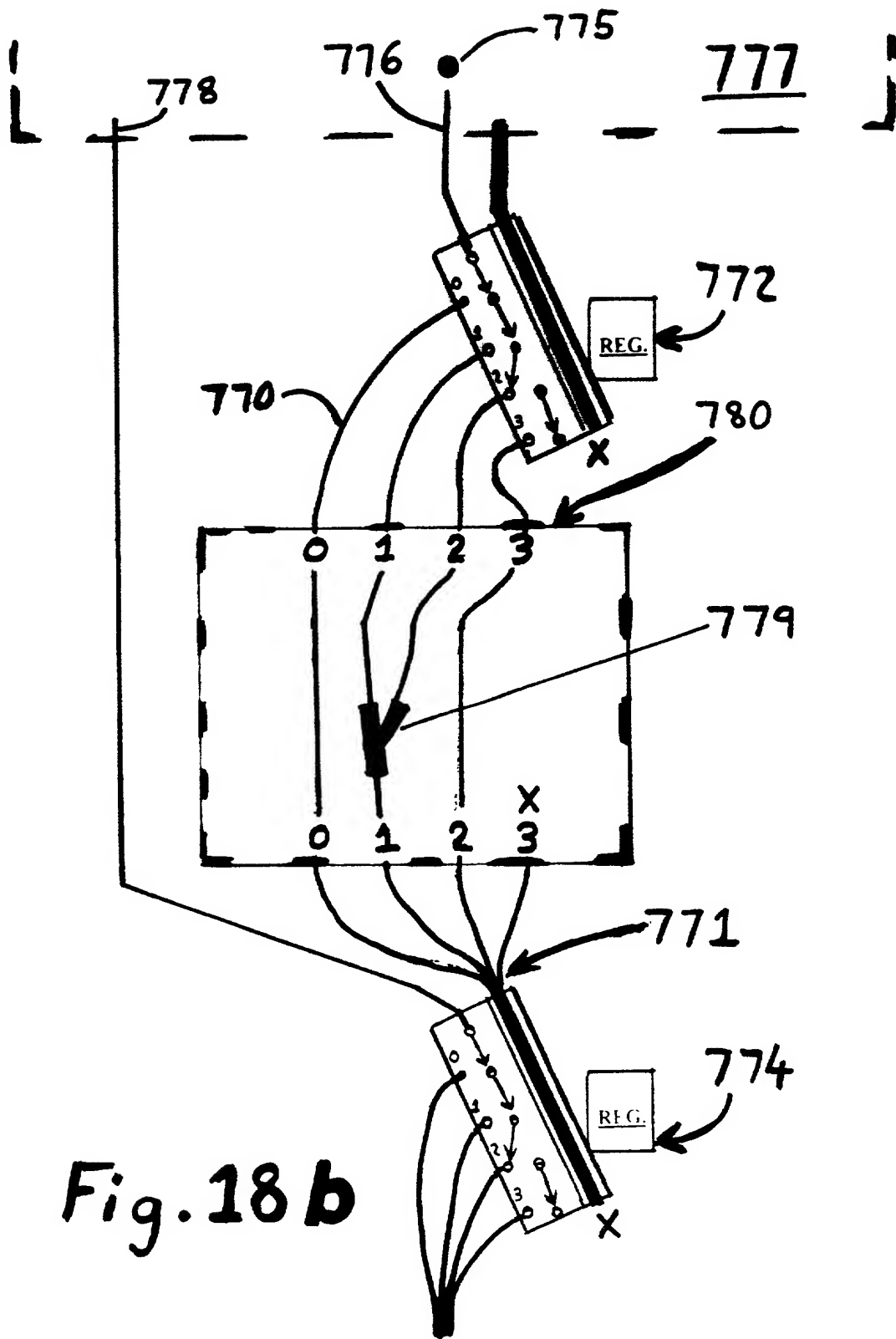


Fig. 18b

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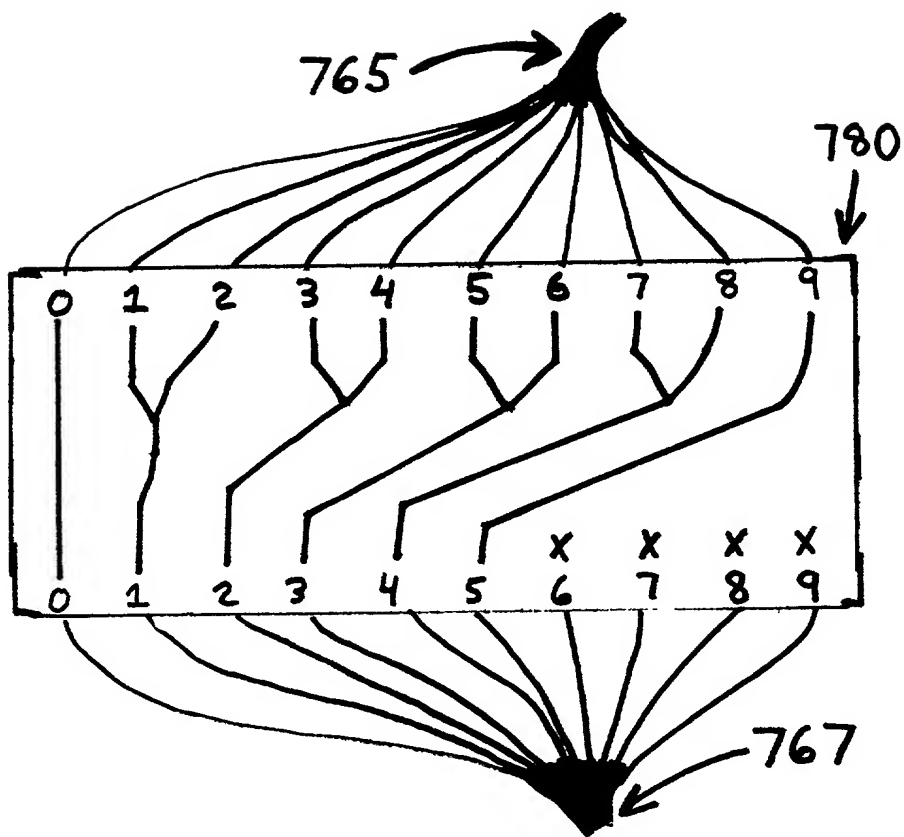


Fig. 19a

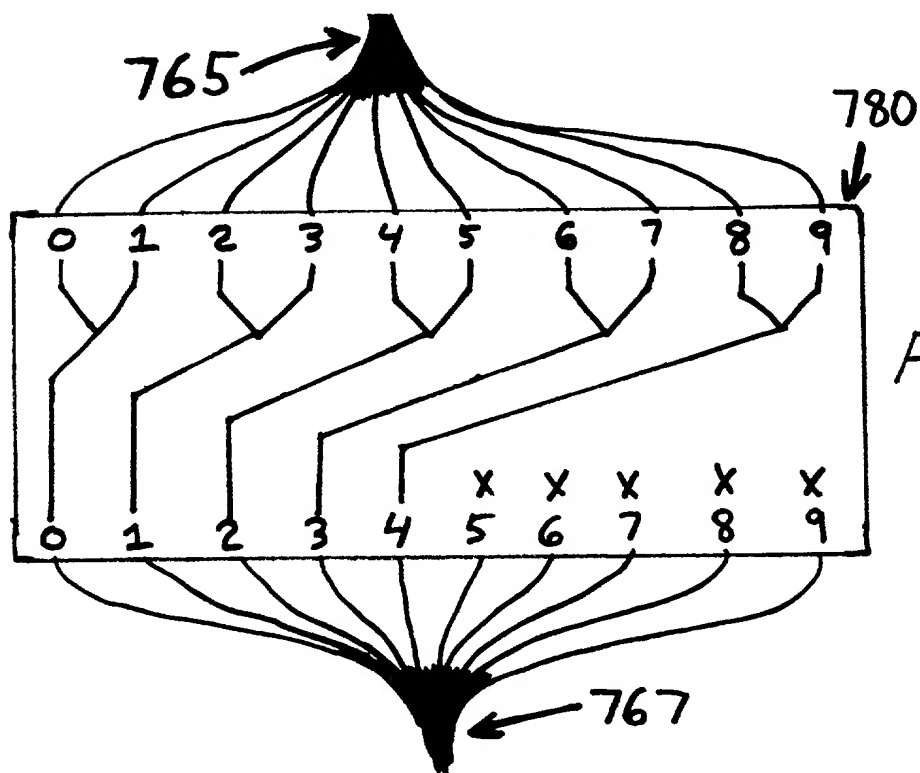


Fig. 19b

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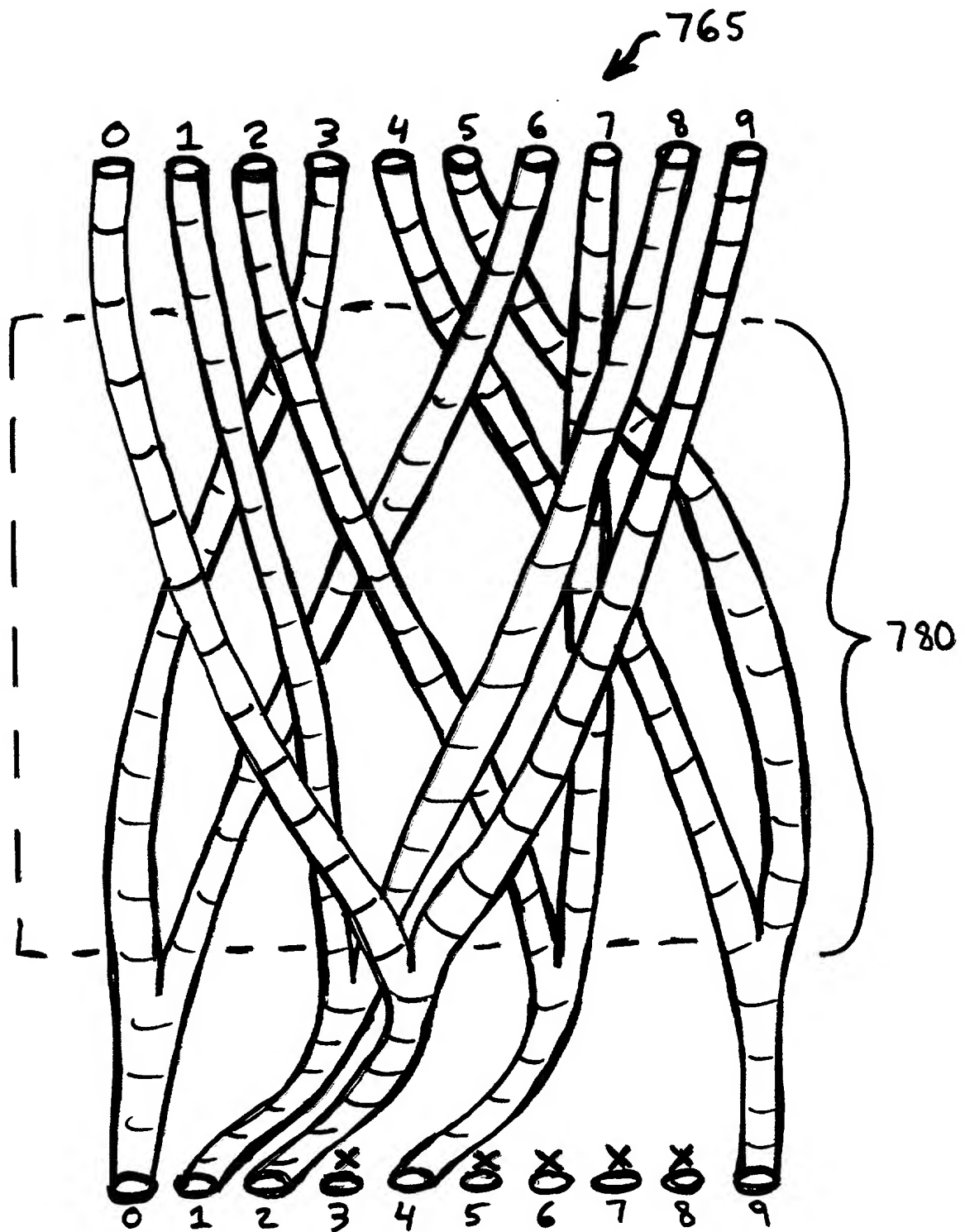
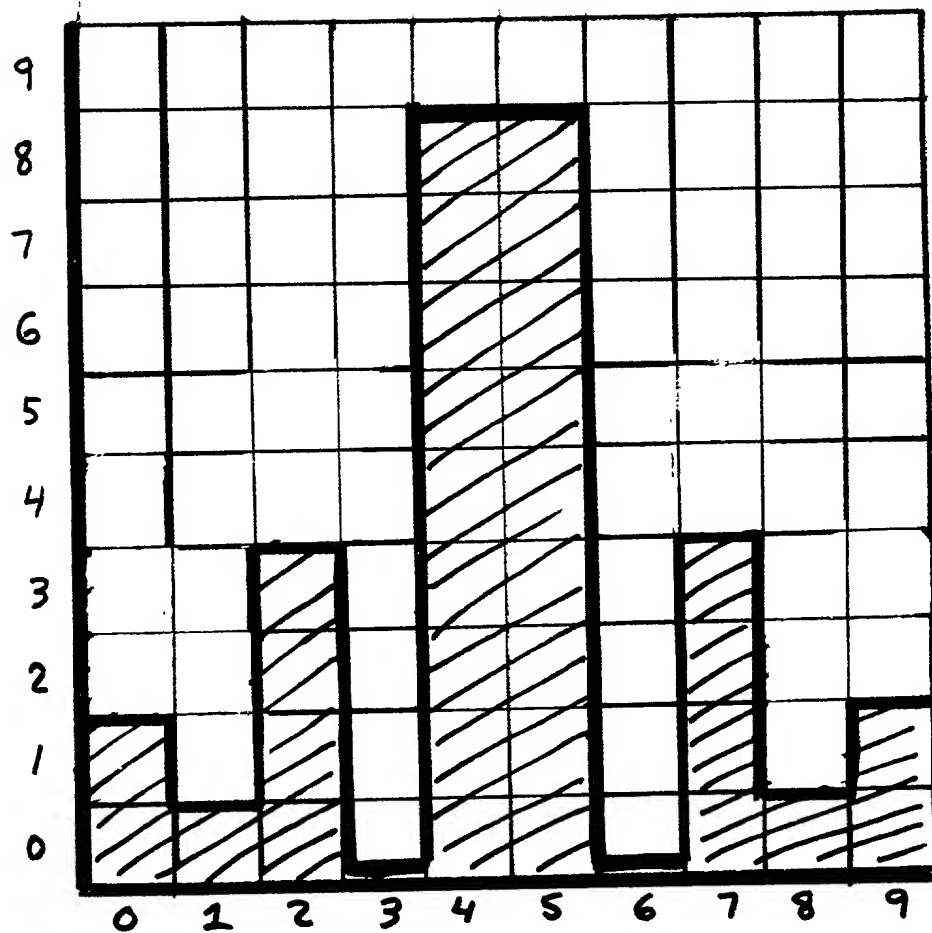


Fig 20a

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Fig. 20b



$$y \approx N * \text{SINC}(x)$$

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201710 0956E400T

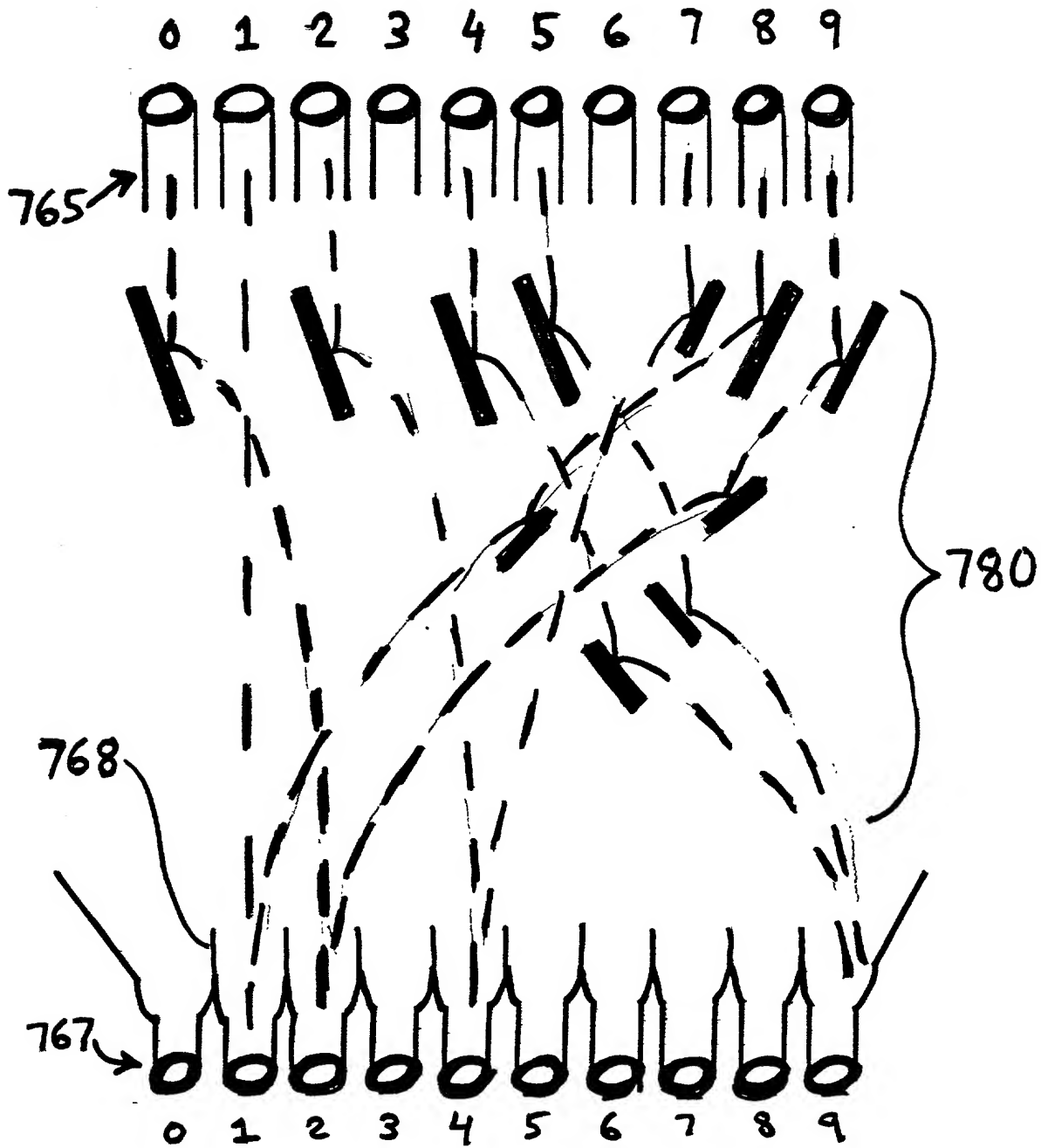
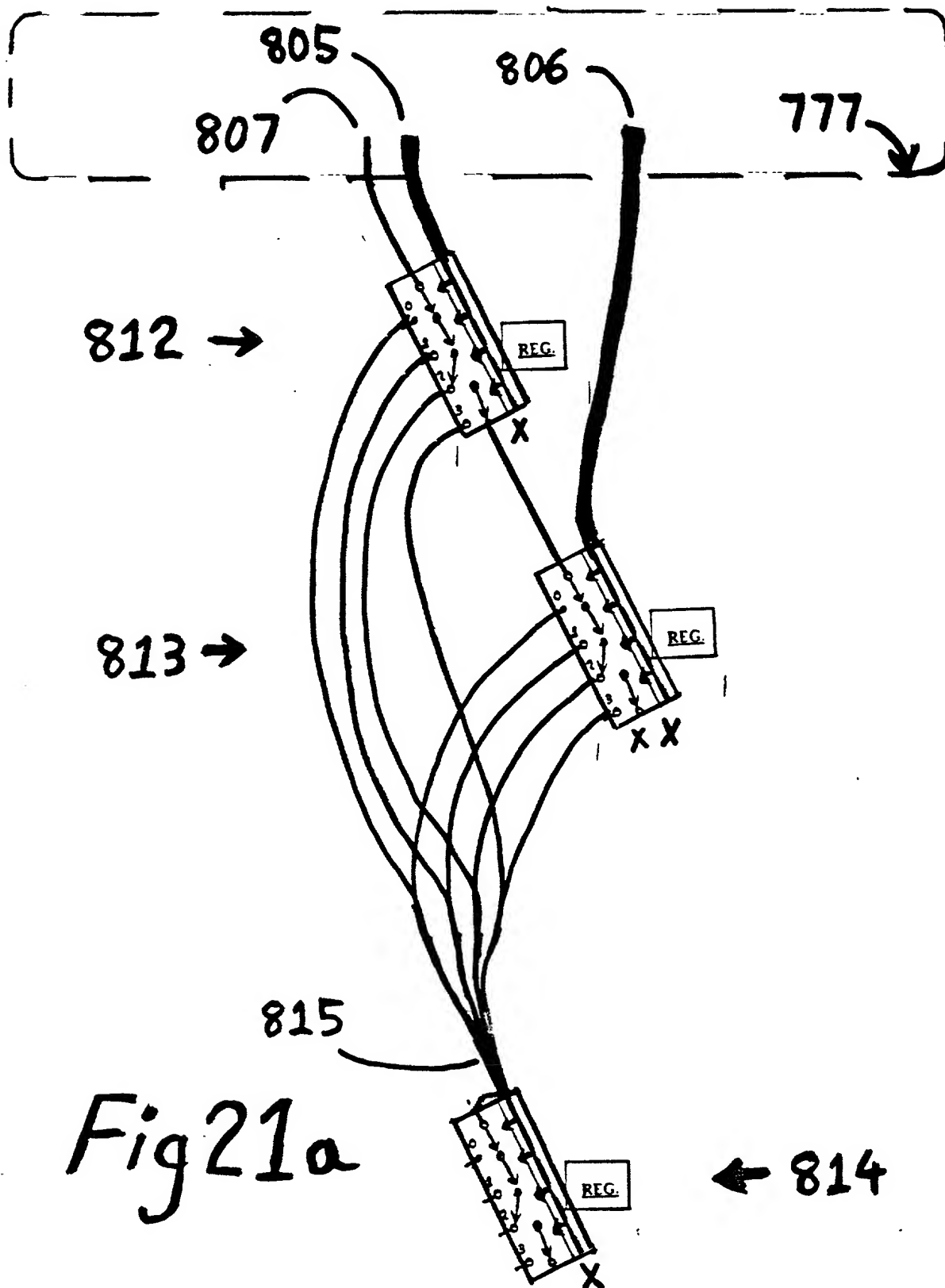


Fig 20c

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Fig 21b

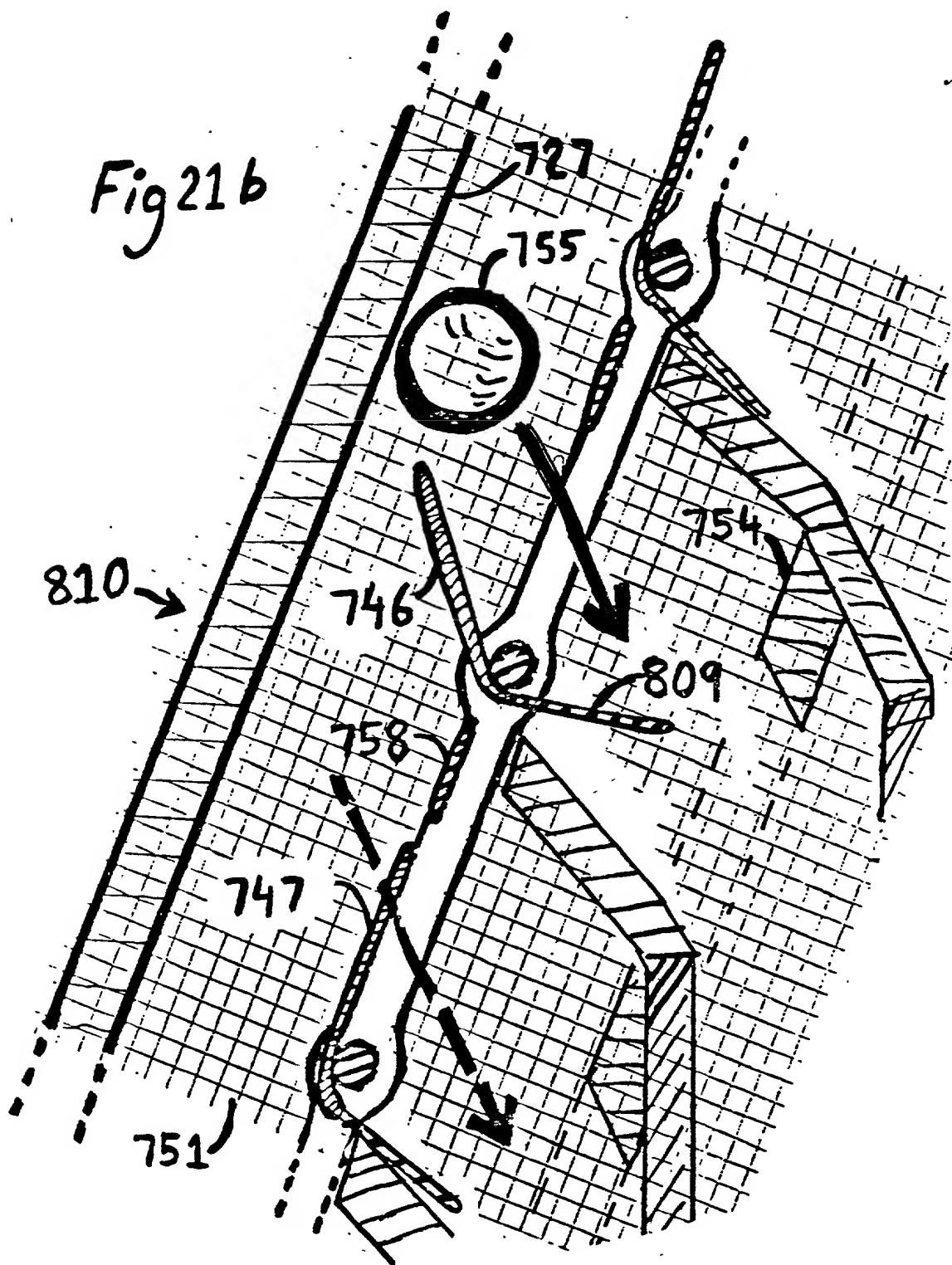
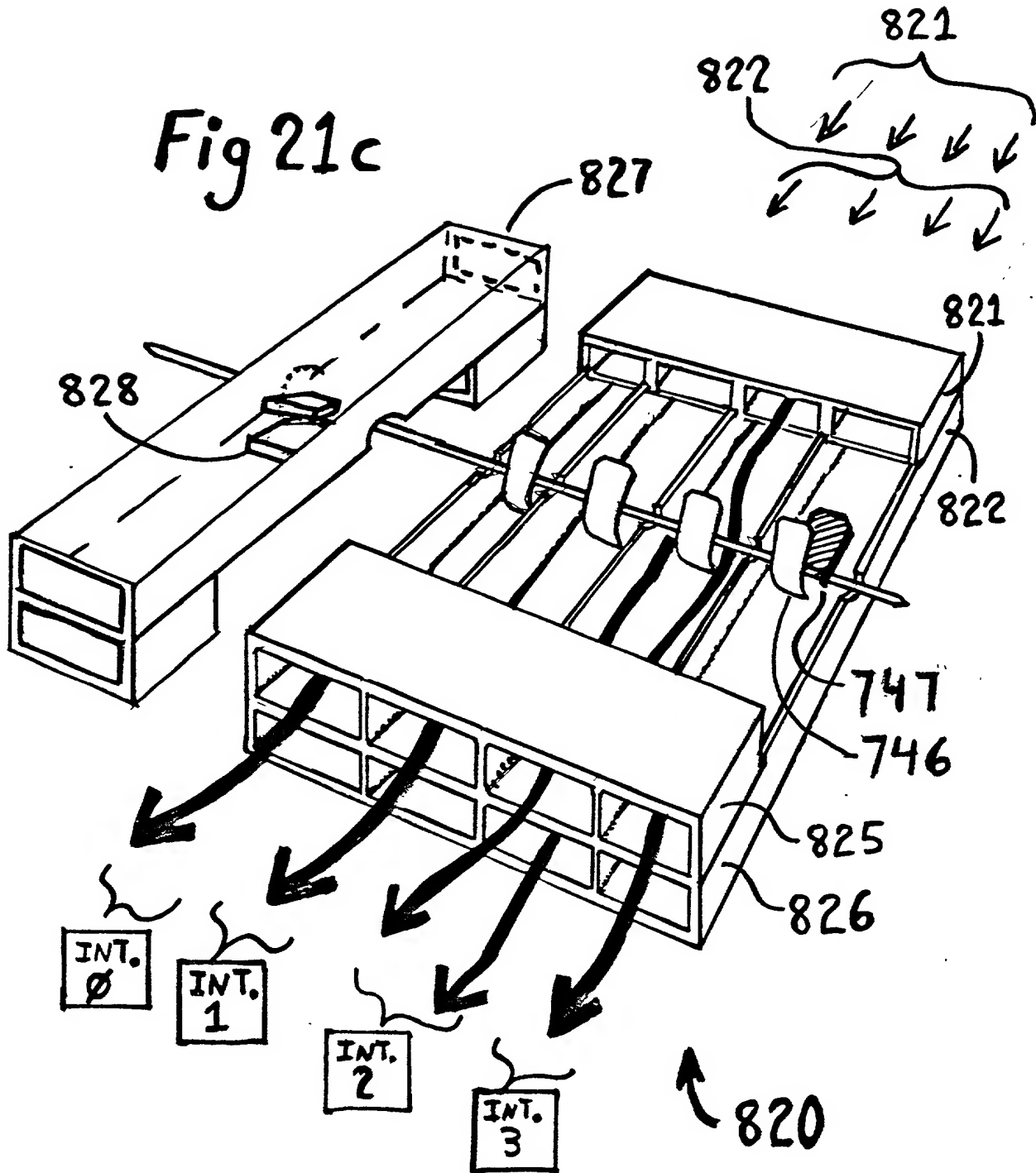


Fig 21c



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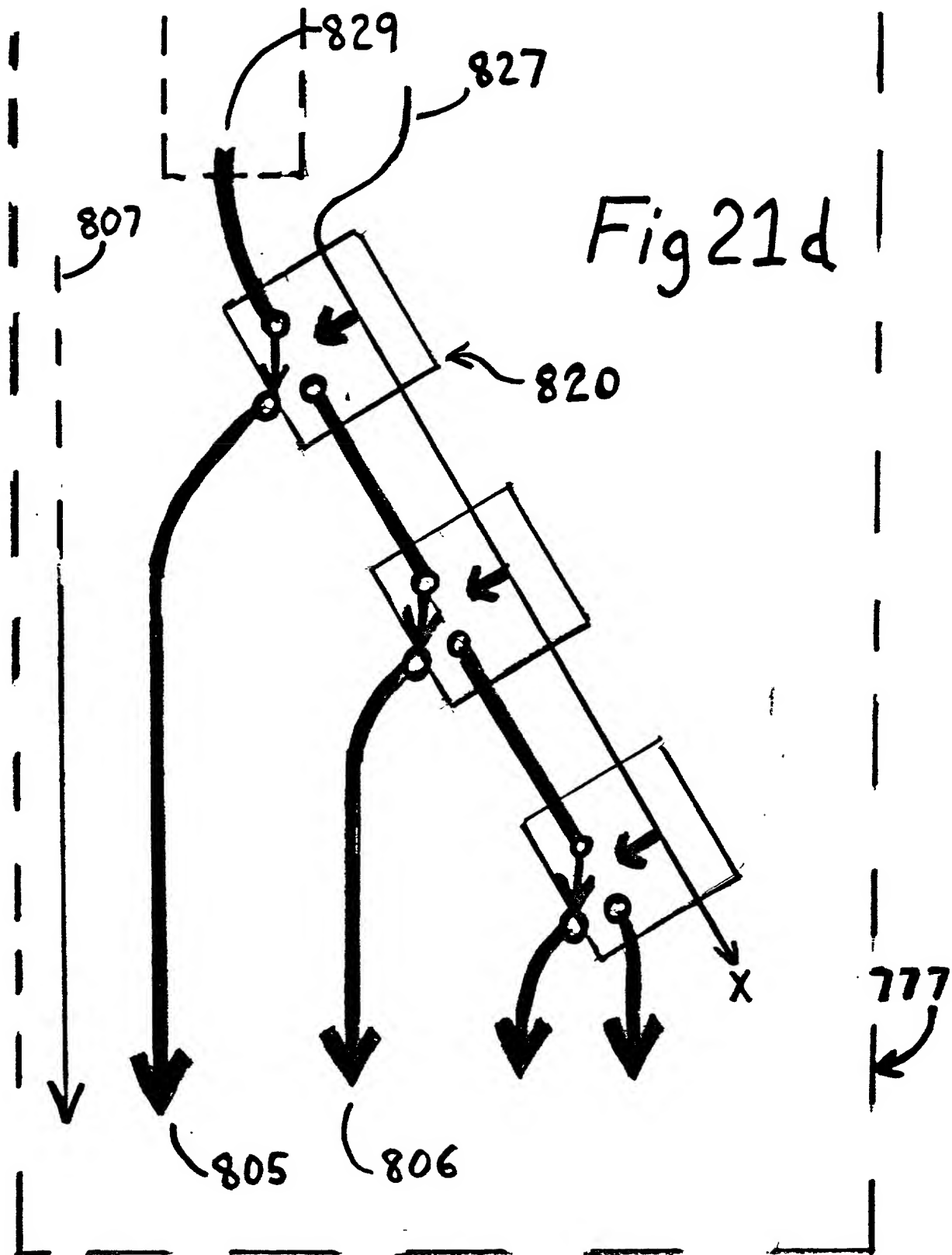
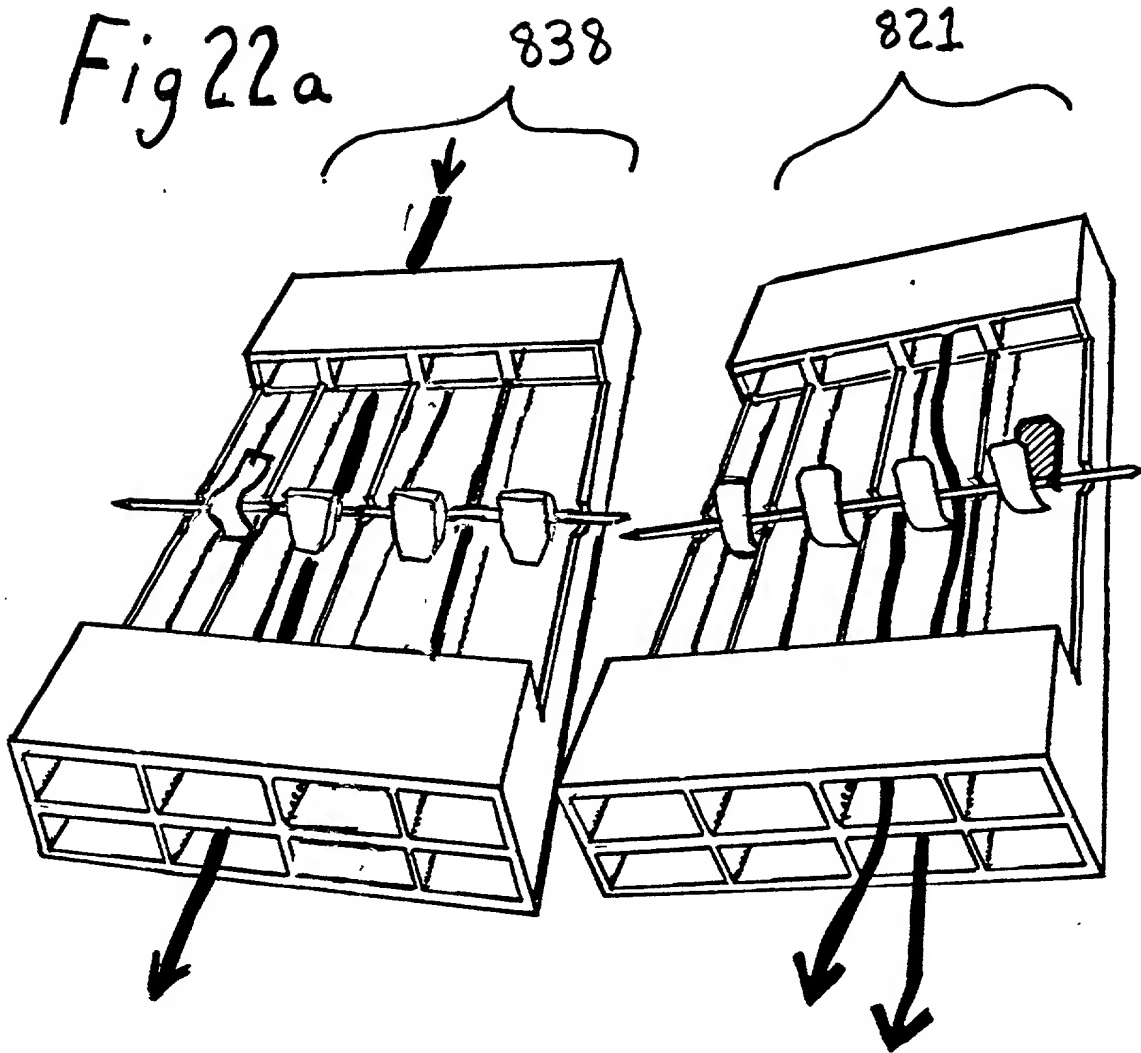
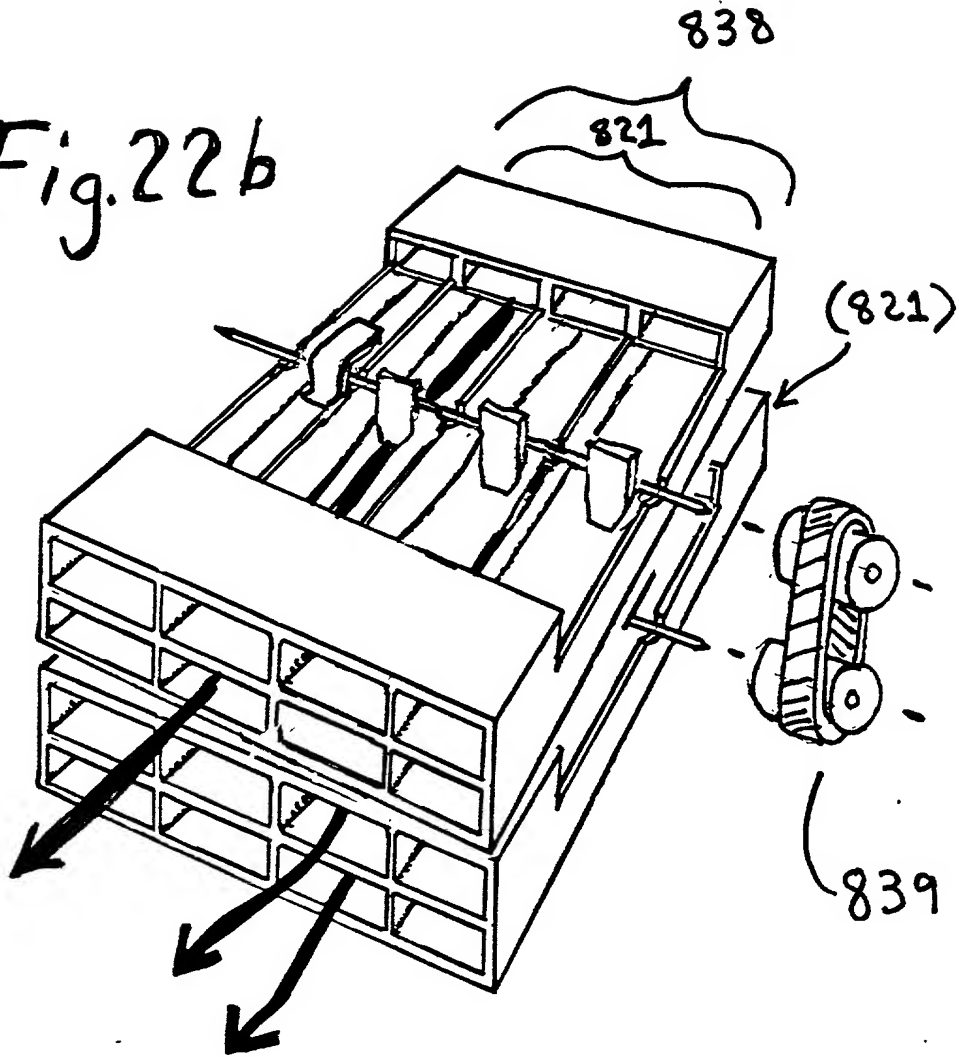


Fig 22a

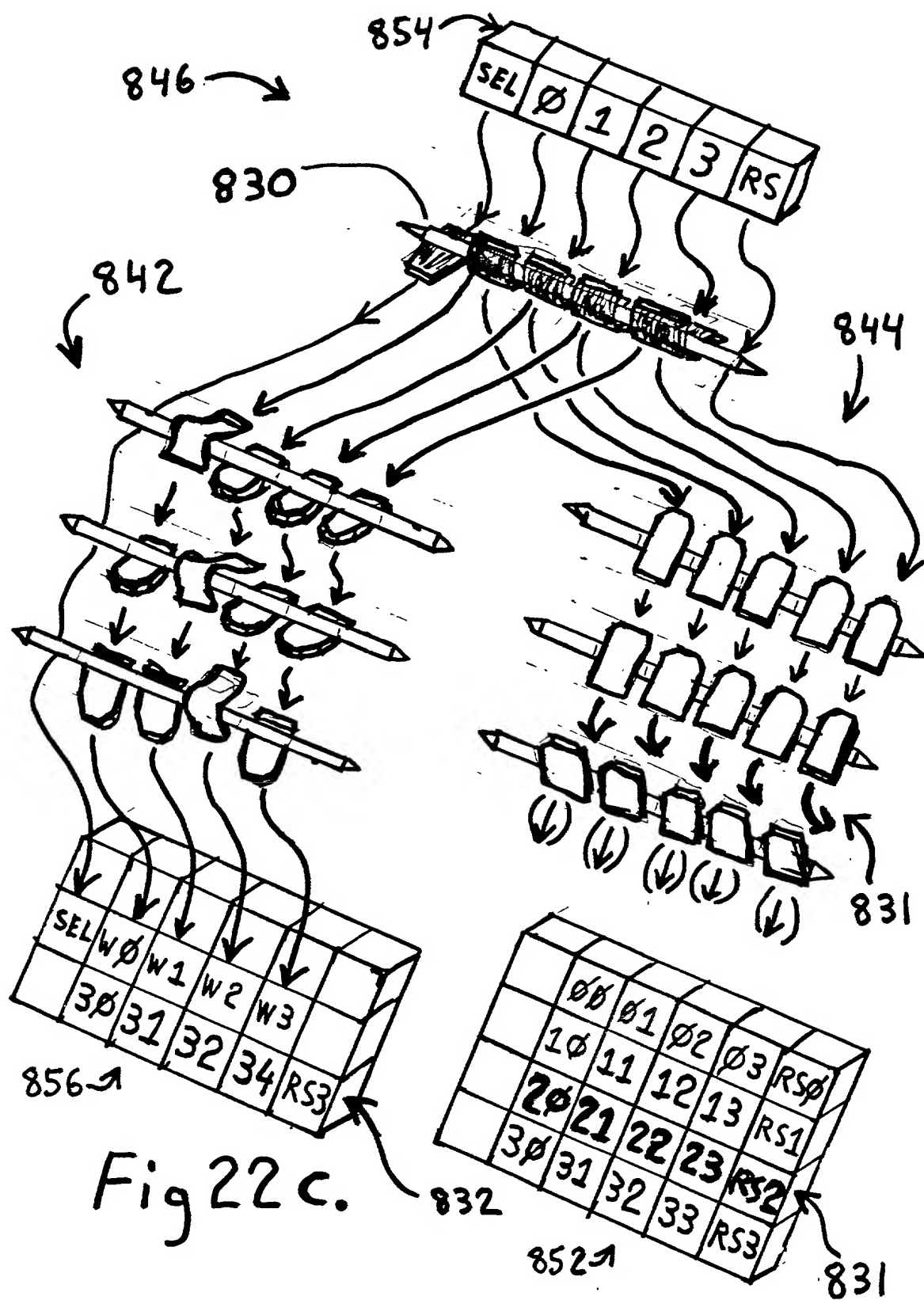


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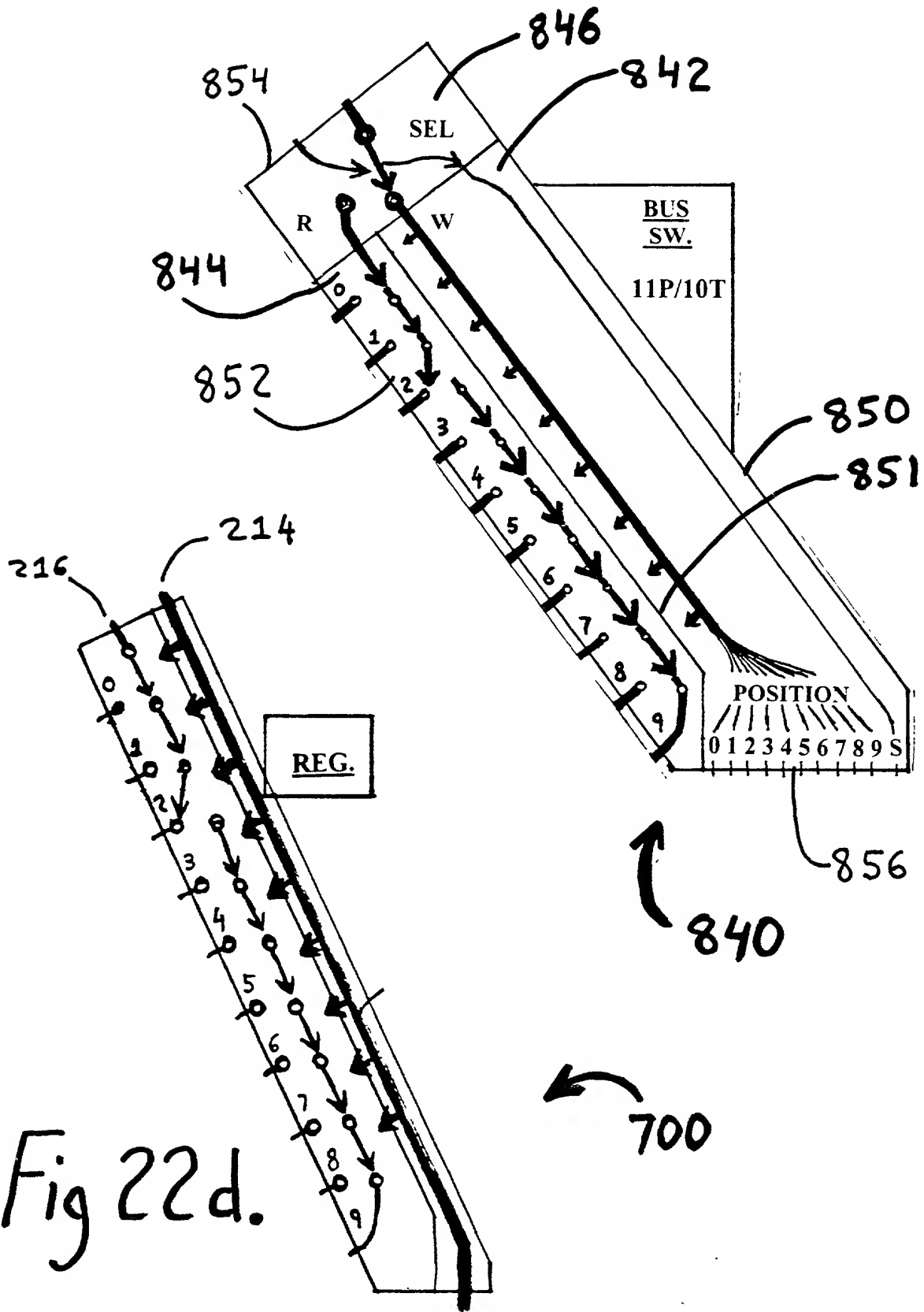
Fig. 22b



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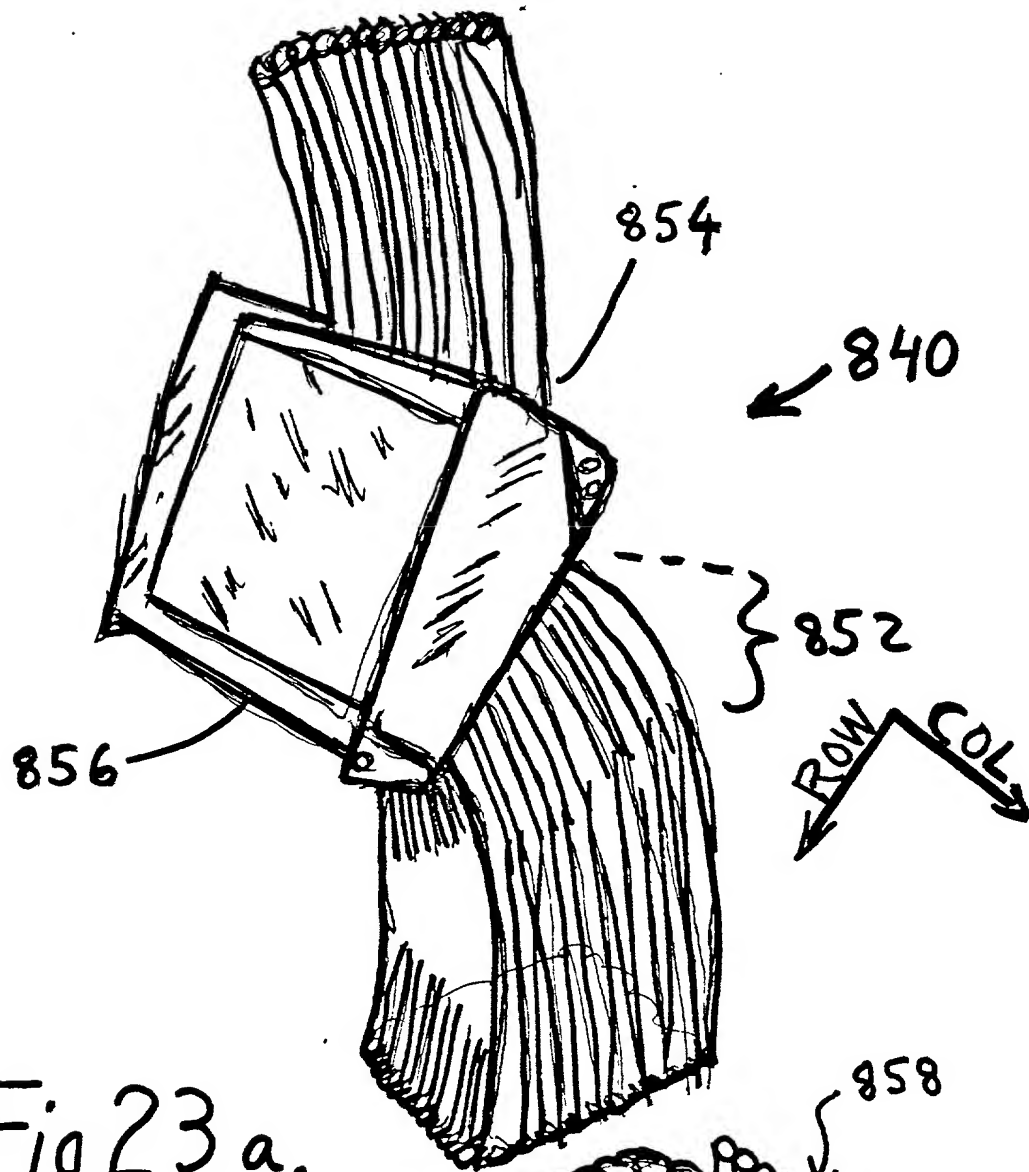
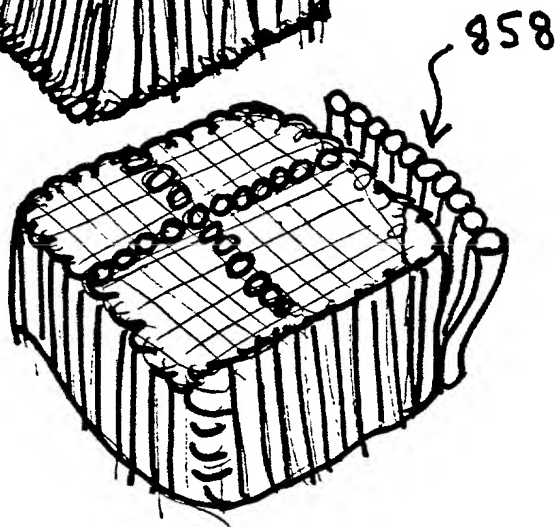
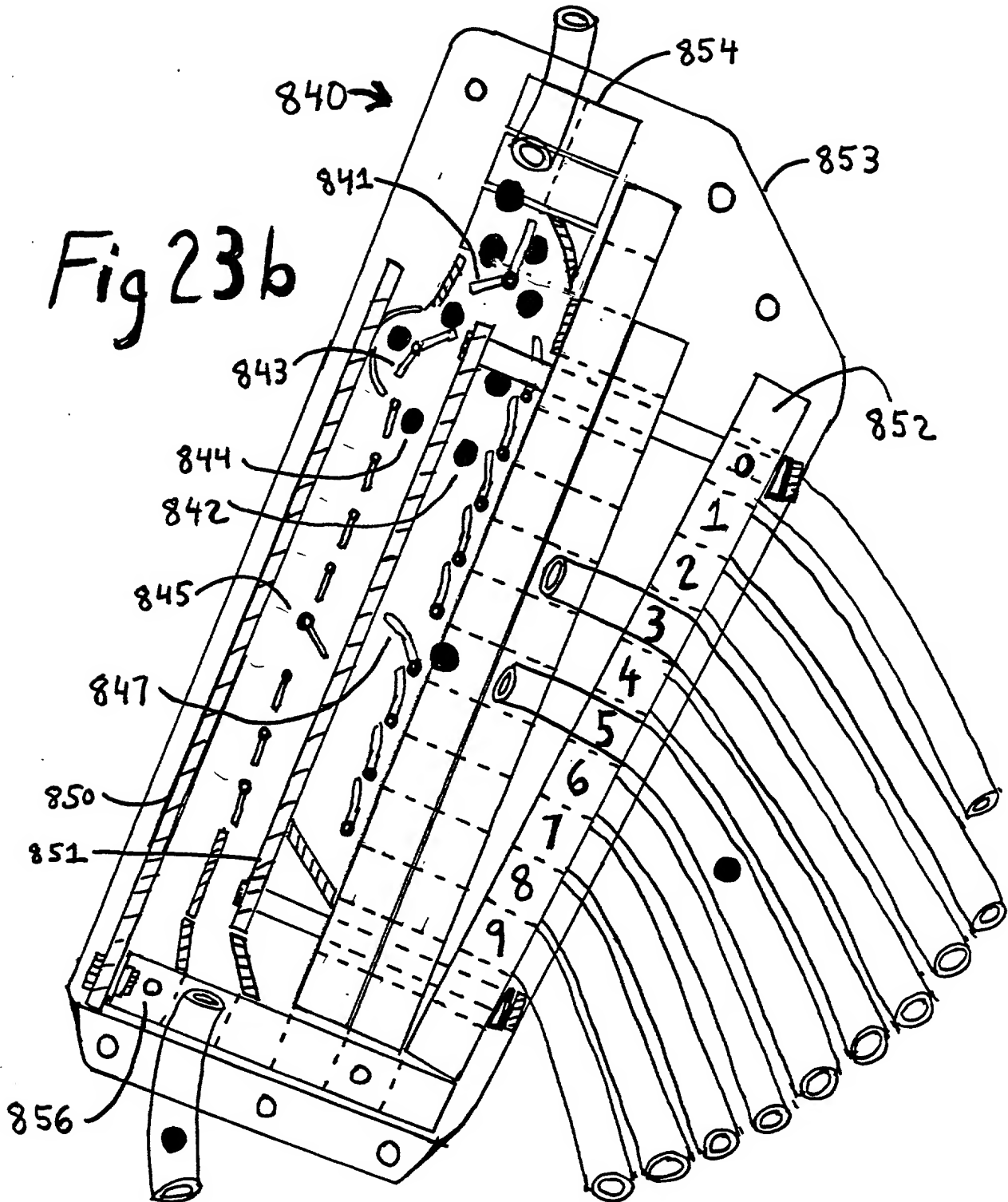


Fig 23 a.



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Fig 23b



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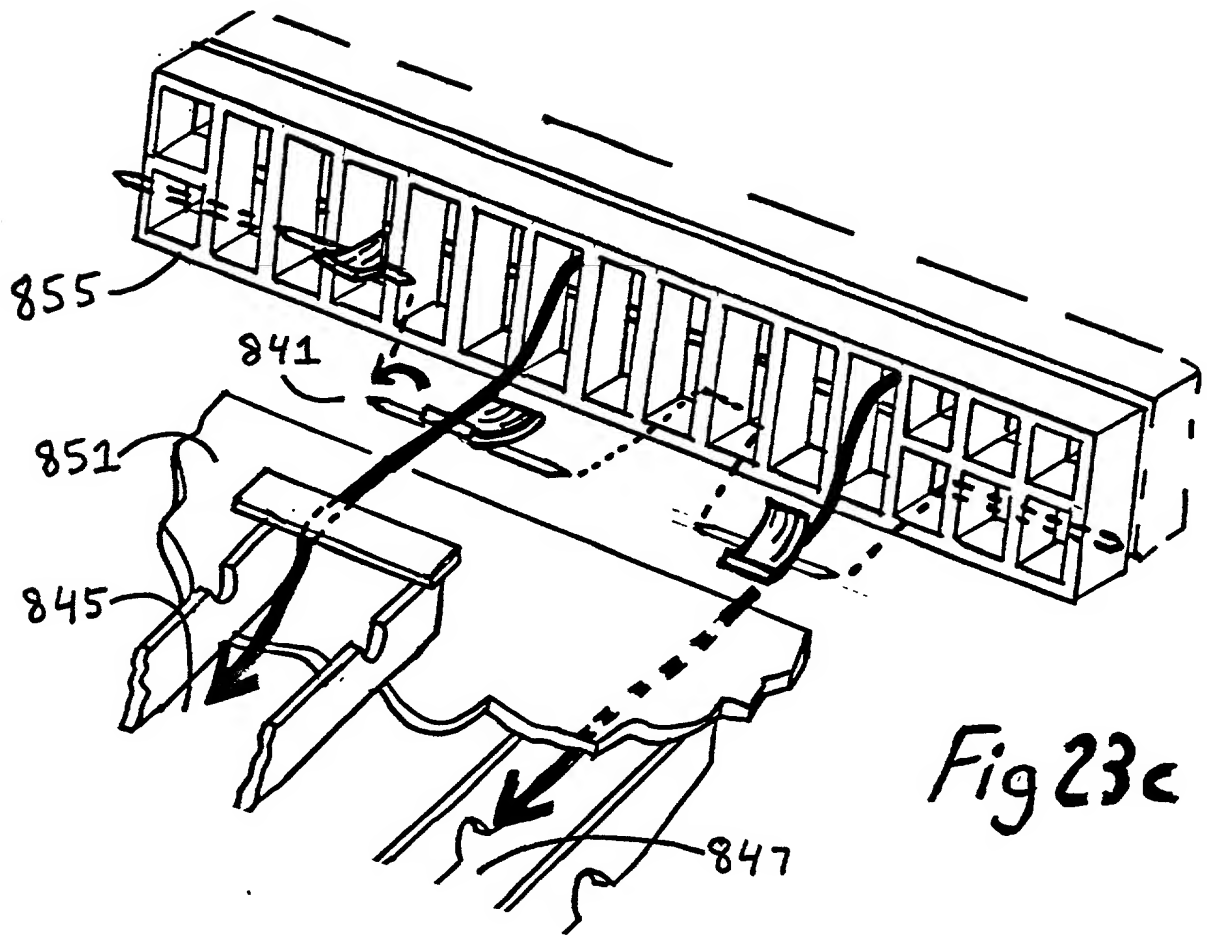


Fig 23c

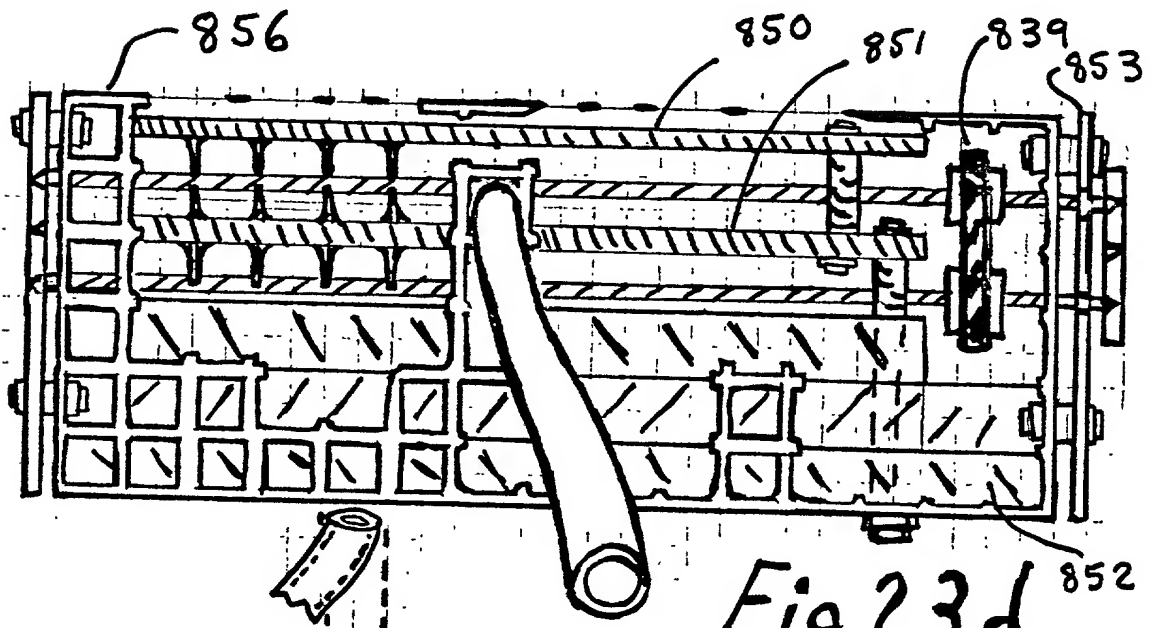


Fig 23d

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2017-09-08 10:40:00

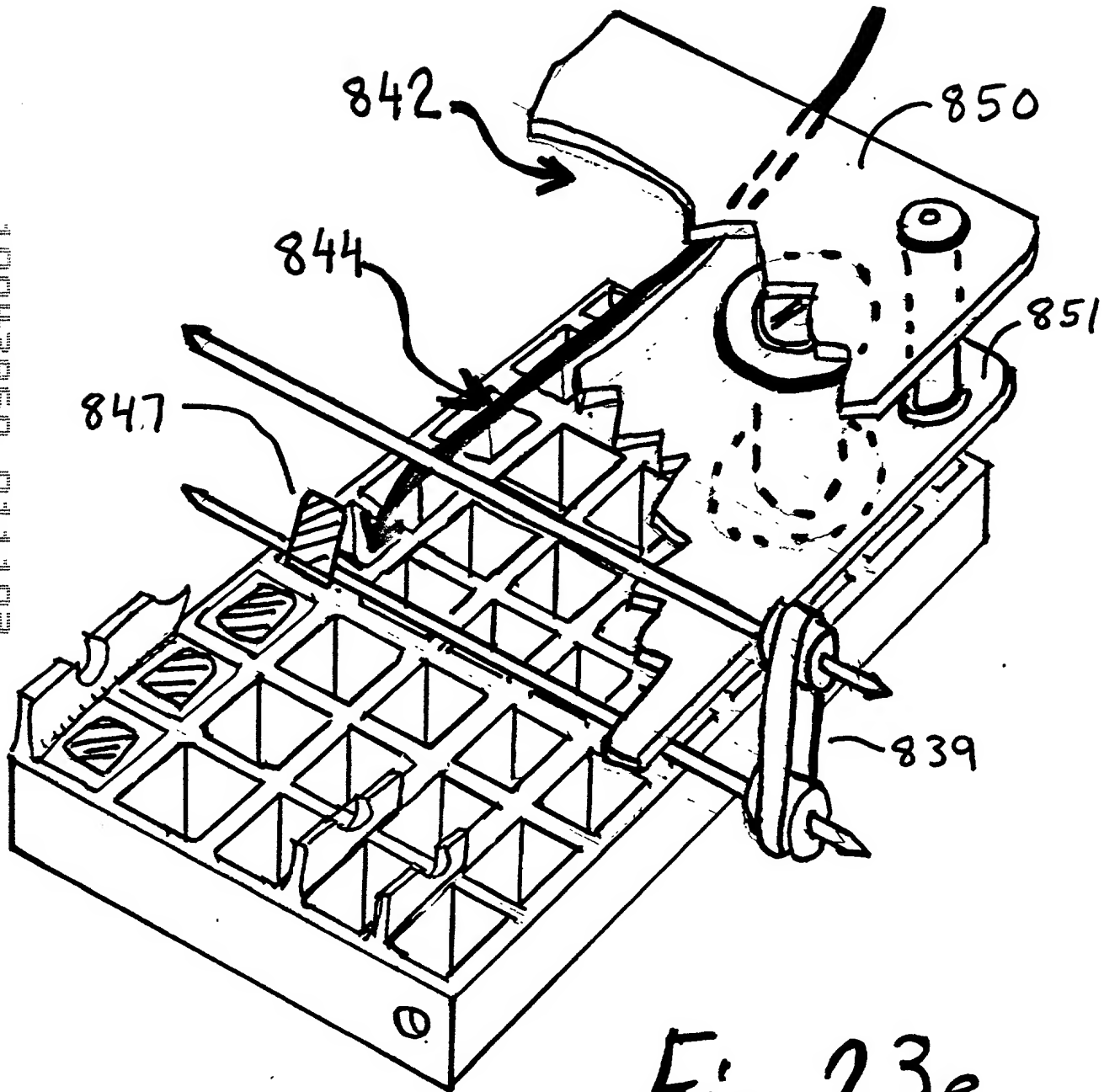
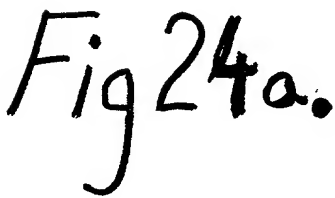


Fig. 23e

	Mean	Standard deviation	Minimum	Maximum
Age	60.78	9.03	45	75
Gender	Male = 1 Female = 2			
Marital status	Married = 1 Single = 2 Widowed = 3 Divorced = 4			
Education level	High school or less = 1 College = 2 Postgraduate = 3			
Health status	Good = 1 Fair = 2 Poor = 3			
Living arrangement	Alone = 1 With family = 2 In nursing home = 3			
Depression scale	0-10			
Life satisfaction scale	0-10			
Quality of life scale	0-10			
Functional status scale	0-10			
Physical functioning	0-10			
Social functioning	0-10			
Mental health	0-10			
Bodily pain	0-10			
Energy/fatigue	0-10			
Cognitive function	0-10			
Emotional well-being	0-10			
Role limitations due to physical problems	0-10			
Role limitations due to emotional problems	0-10			
Pain interference	0-10			
Walking ability	0-10			
Hand grip strength	0-10			
Balance	0-10			
Gait speed	0-10			
Stair climbing	0-10			
Timed up-and-go	0-10			
Short Physical Performance Battery	0-10			
Barthel ADL Index	0-100			
Katz ADL Index	0-10			
IADL-Disability Scale	0-100			
Lawton IADL	0-10			
Lawton Instrumental Activities of Daily Living	0-10			
Lawton Basic Activities of Daily Living	0-10			
Lawton Performance Scale	0-10			
Lawton Social Network	0-10			
Lawton Social Support	0-10			
Lawton Social Resources	0-10			
Lawton Social Desires	0-10			
Lawton Social Satisfaction	0-10			
Lawton Social Isolation	0-10			
Lawton Social Participation	0-10			
Lawton Social Involvement	0-10			
Lawton Social Engagement	0-10			
Lawton Social Interaction	0-10			
Lawton Social Connection	0-10			
Lawton Social Belongingness	0-10			
Lawton Social Relatedness	0-10			
Lawton Social Closeness	0-10			
Lawton Social Intimacy	0-10			
Lawton Social Affection	0-10			
Lawton Social Warmth	0-10			
Lawton Social Comfort	0-10			
Lawton Social Ease	0-10			
Lawton Social Relaxation	0-10			
Lawton Social Unwinding	0-10			
Lawton Social Escapism	0-10			
Lawton Social Distraction	0-10			
Lawton Social Diversion	0-10			
Lawton Social Recreation	0-10			
Lawton Social Entertainment	0-10			
Lawton Social Amusement	0-10			
Lawton Social Pleasure	0-10			
Lawton Social Enjoyment	0-10			
Lawton Social Fun	0-10			
Lawton Social Happiness	0-10			
Lawton Social Joy	0-10			
Lawton Social Gladness	0-10			
Lawton Social Contentment	0-10			
Lawton Social Satisfaction	0-10			
Lawton Social Fulfillment	0-10			
Lawton Social Completion	0-10			
Lawton Social Accomplishment	0-10			
Lawton Social Achievement	0-10			
Lawton Social Success	0-10			
Lawton Social Progress	0-10			
Lawton Social Advancement	0-10			
Lawton Social Growth	0-10			
Lawton Social Development	0-10			
Lawton Social Improvement	0-10			
Lawton Social Enhancement	0-10			
Lawton Social Enrichment	0-10			
Lawton Social Elevation	0-10			
Lawton Social Exaltation	0-10			
Lawton Social Ecstasy	0-10			
Lawton Social Rapture	0-10			
Lawton Social Bliss	0-10			
Lawton Social Felicity	0-10			
Lawton Social Fortuna	0-10			
Lawton Social Prosperity	0-10			
Lawton Social Wealth	0-10			
Lawton Social Riches	0-10			
Lawton Social Grandeur	0-10			
Lawton Social Majesty	0-10			
Lawton Social Splendor	0-10			
Lawton Social Glamour	0-10			
Lawton Social Sophistication	0-10			
Lawton Social Elegance	0-10			
Lawton Social Refinement	0-10			
Lawton Social Polishedness	0-10			
Lawton Social Smoothness	0-10			
Lawton Social Sleekness	0-10			
Lawton Social Shiny	0-10			
Lawton Social Glossy	0-10			
Lawton Social Lustrous	0-10			
Lawton Social Radiant	0-10			
Lawton Social Brilliant	0-10			
Lawton Social Sparkling	0-10			
Lawton Social Glittering	0-10			
Lawton Social Glistening	0-10		</	



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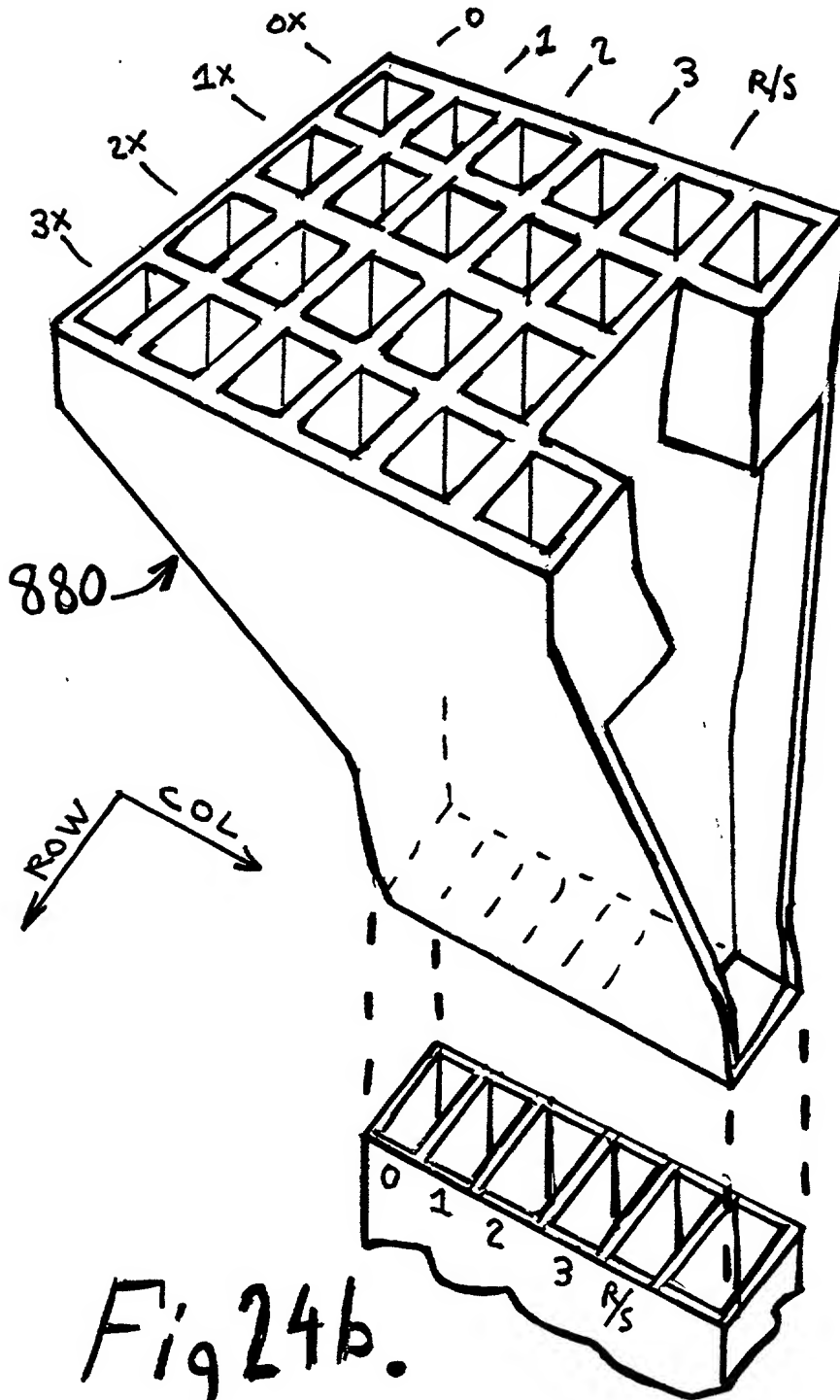
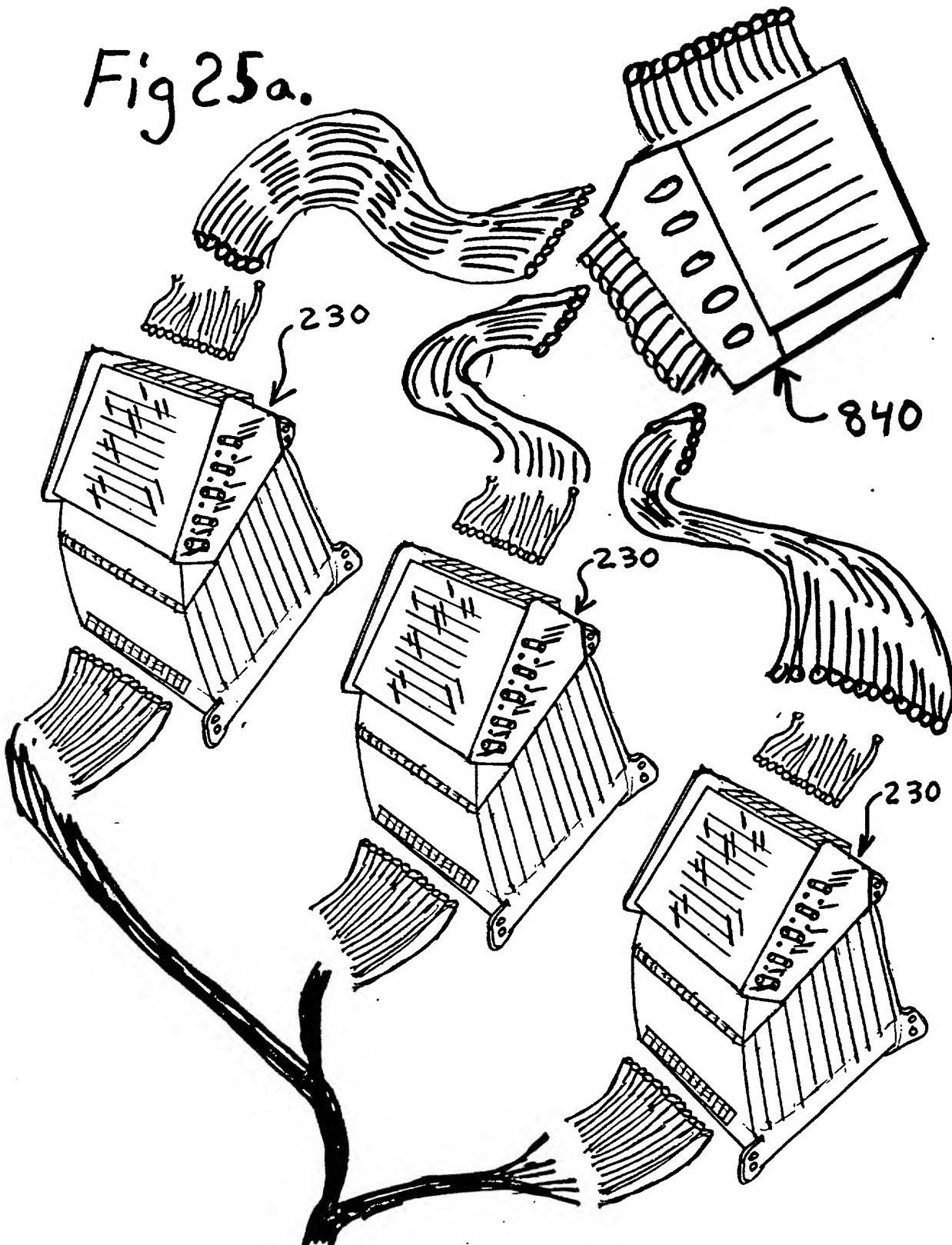


Fig 24b.

Fig 25a.



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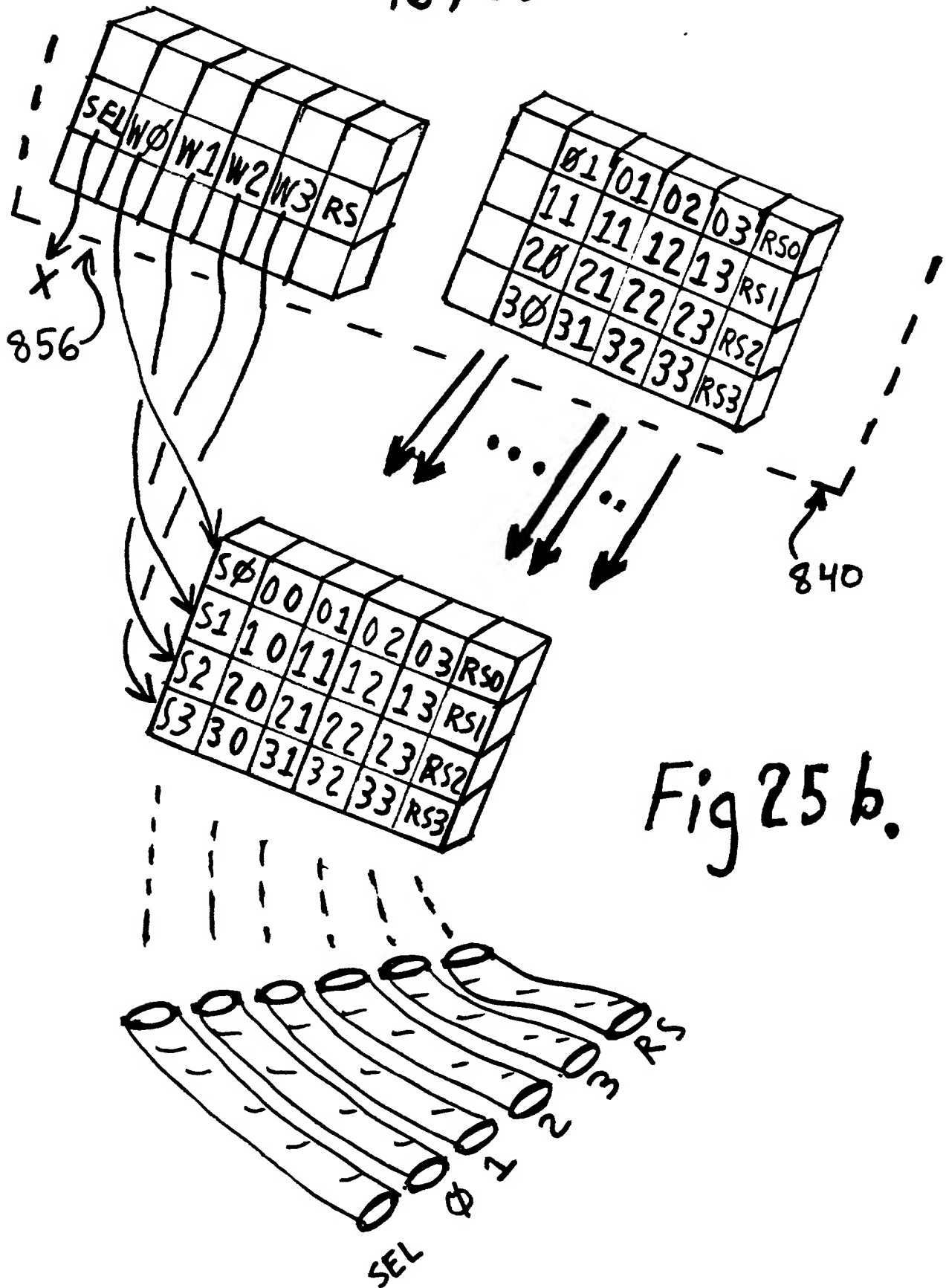
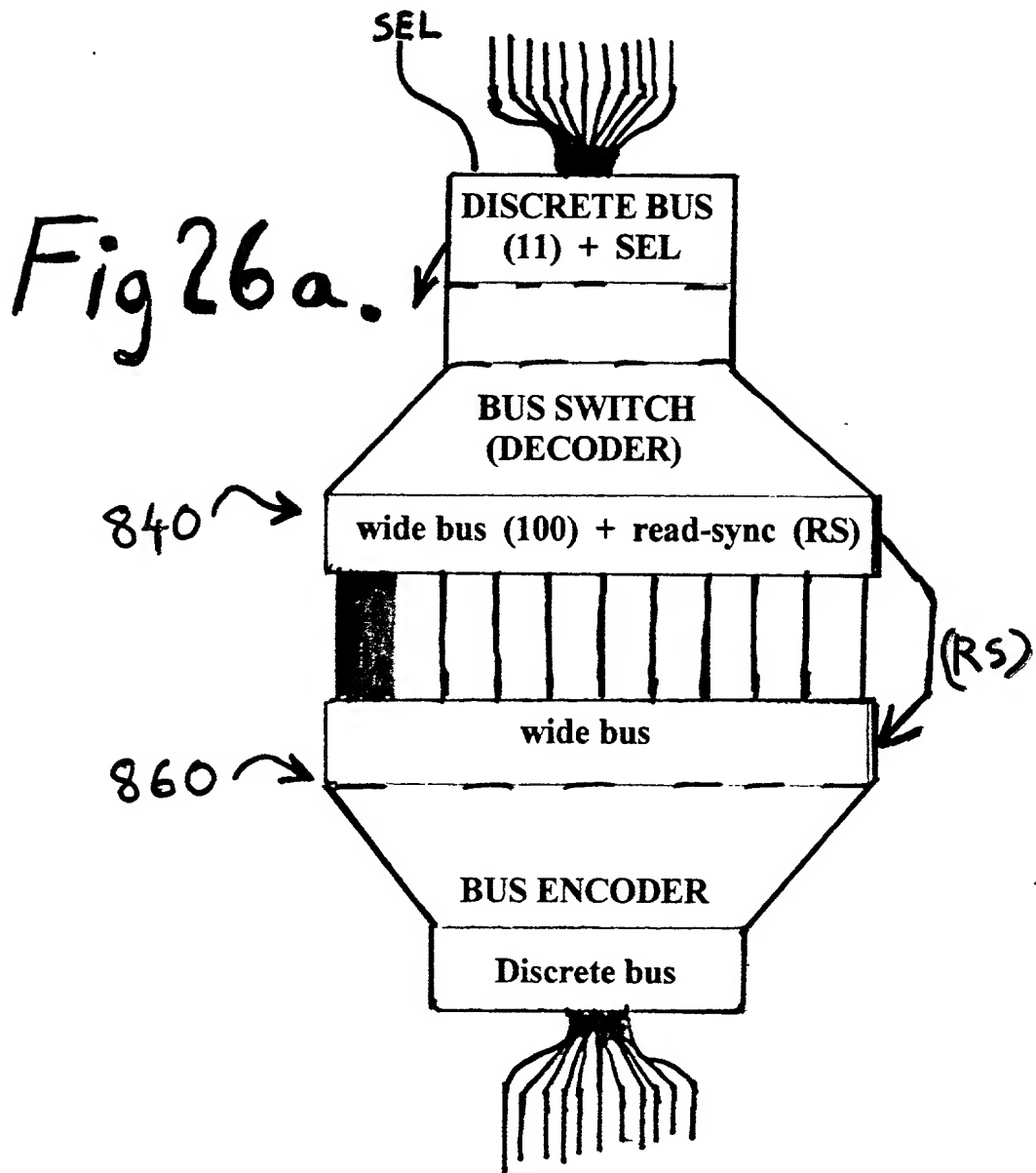


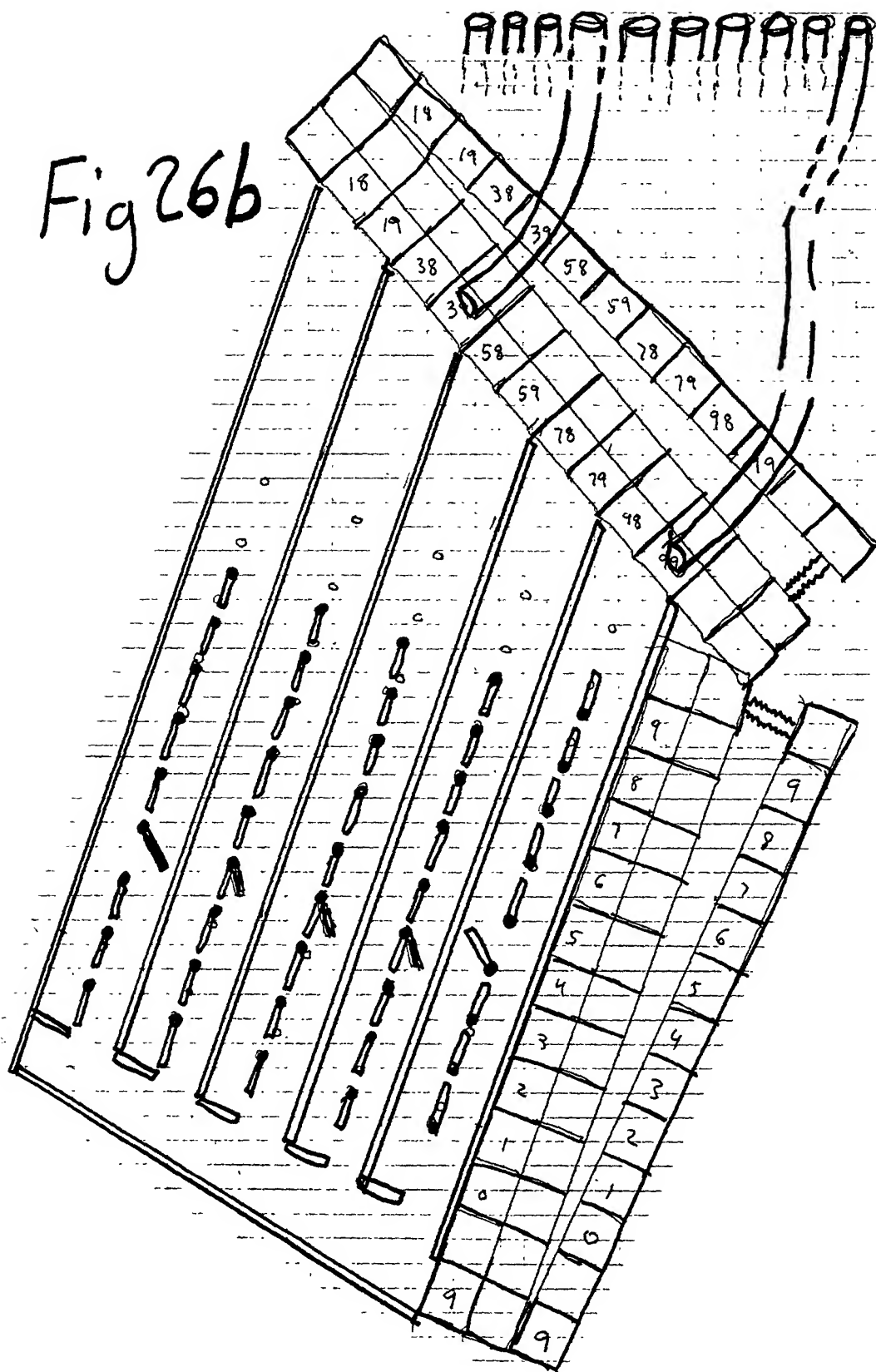
Fig 25 b.

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Fig 26b



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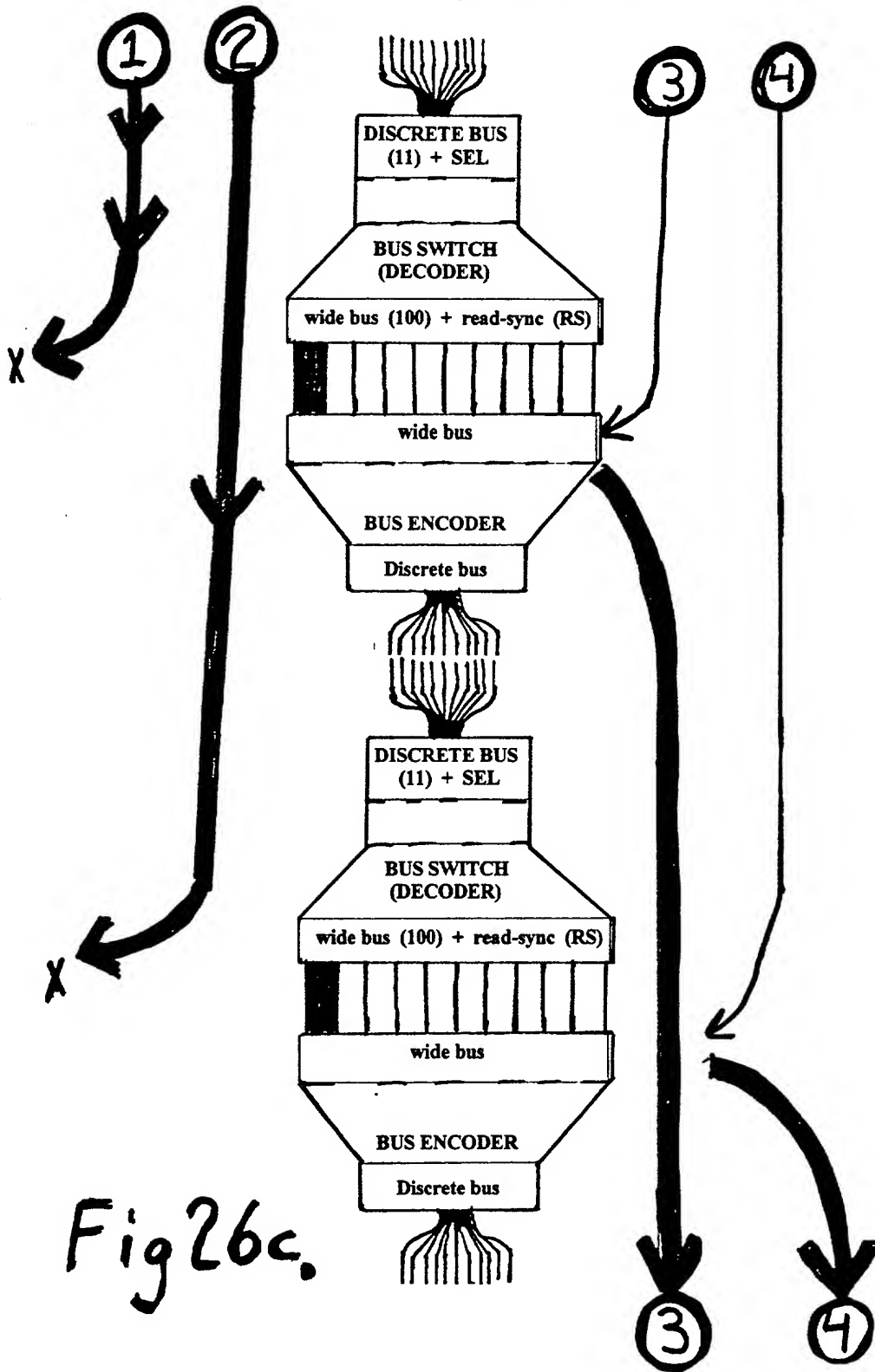


Fig 26c.

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2025-09-09 09:09:09

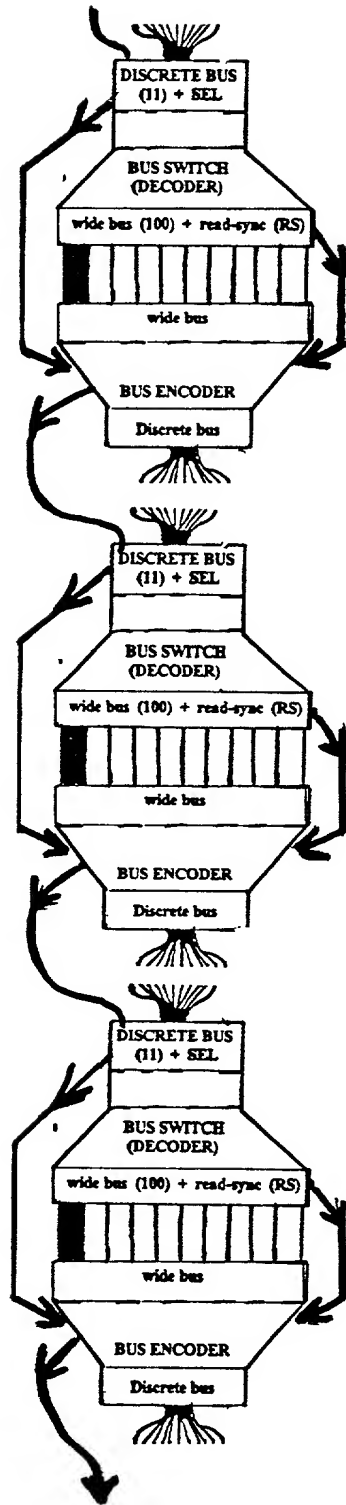
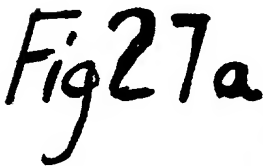
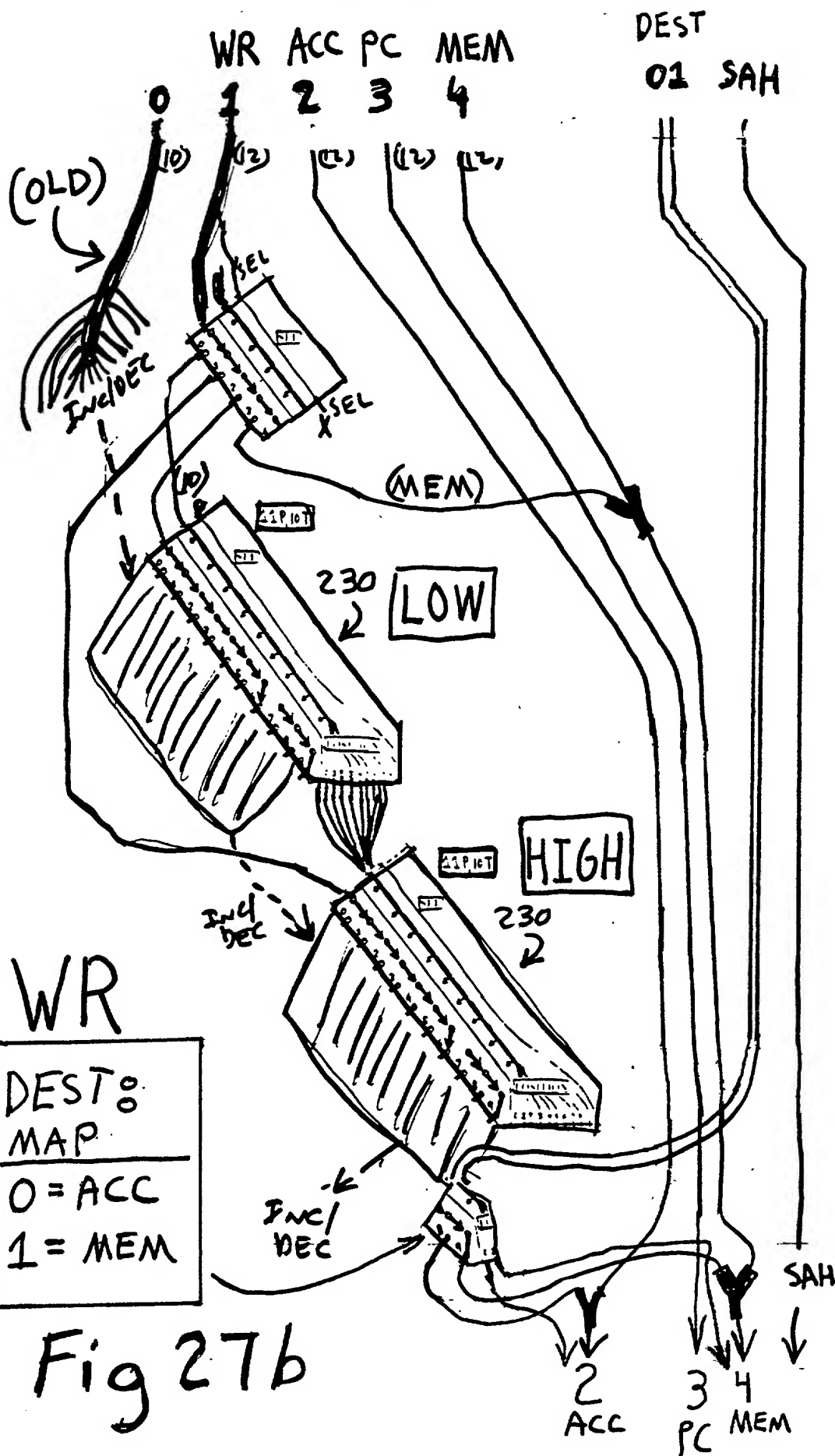


Fig 26d.



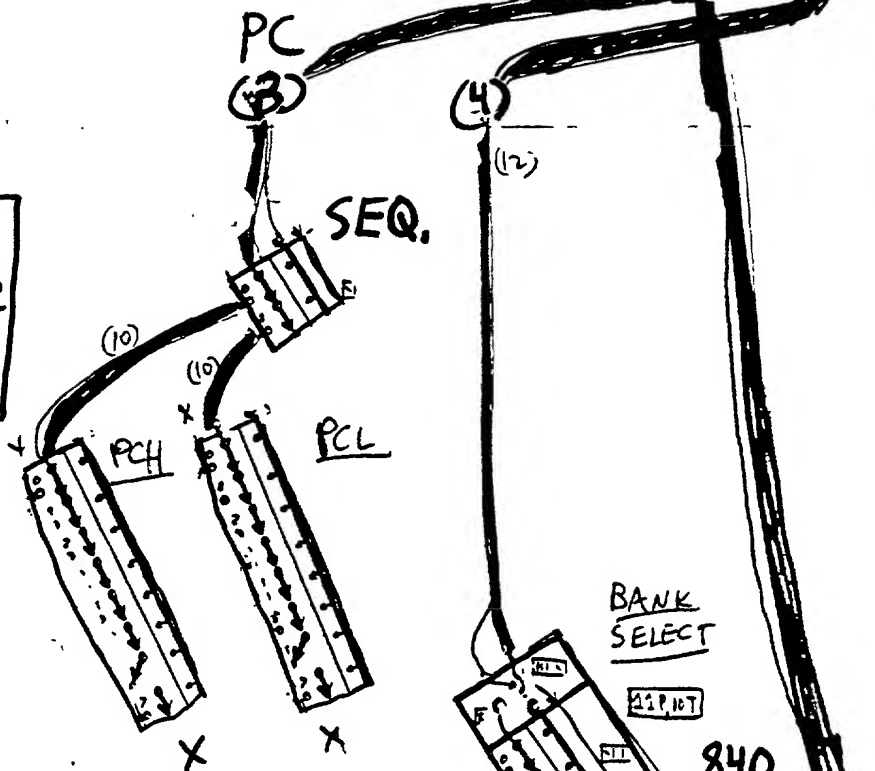
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MAP Acc 2 PC 3 Mem 4 SAH

PC
Semaphore
SENDERS



BANK
SELECT

22P10T

840

4-9
0 9

DIGIT
MODULES

230

Digit
Ram
(40)

BUS
COMBINERS

(MUX-
BUS)

ACC SAH

201710-096E4007

Fig 27c

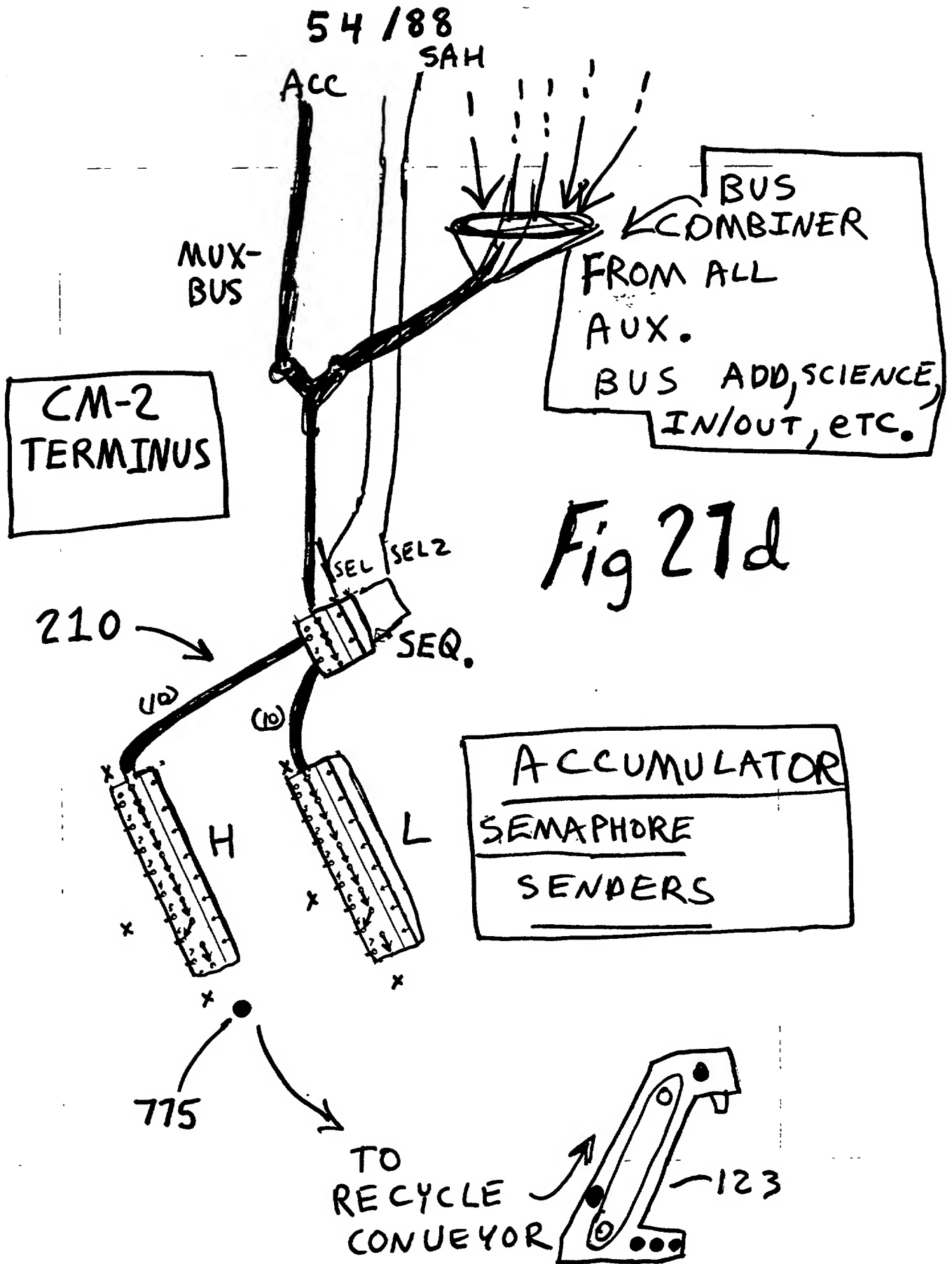
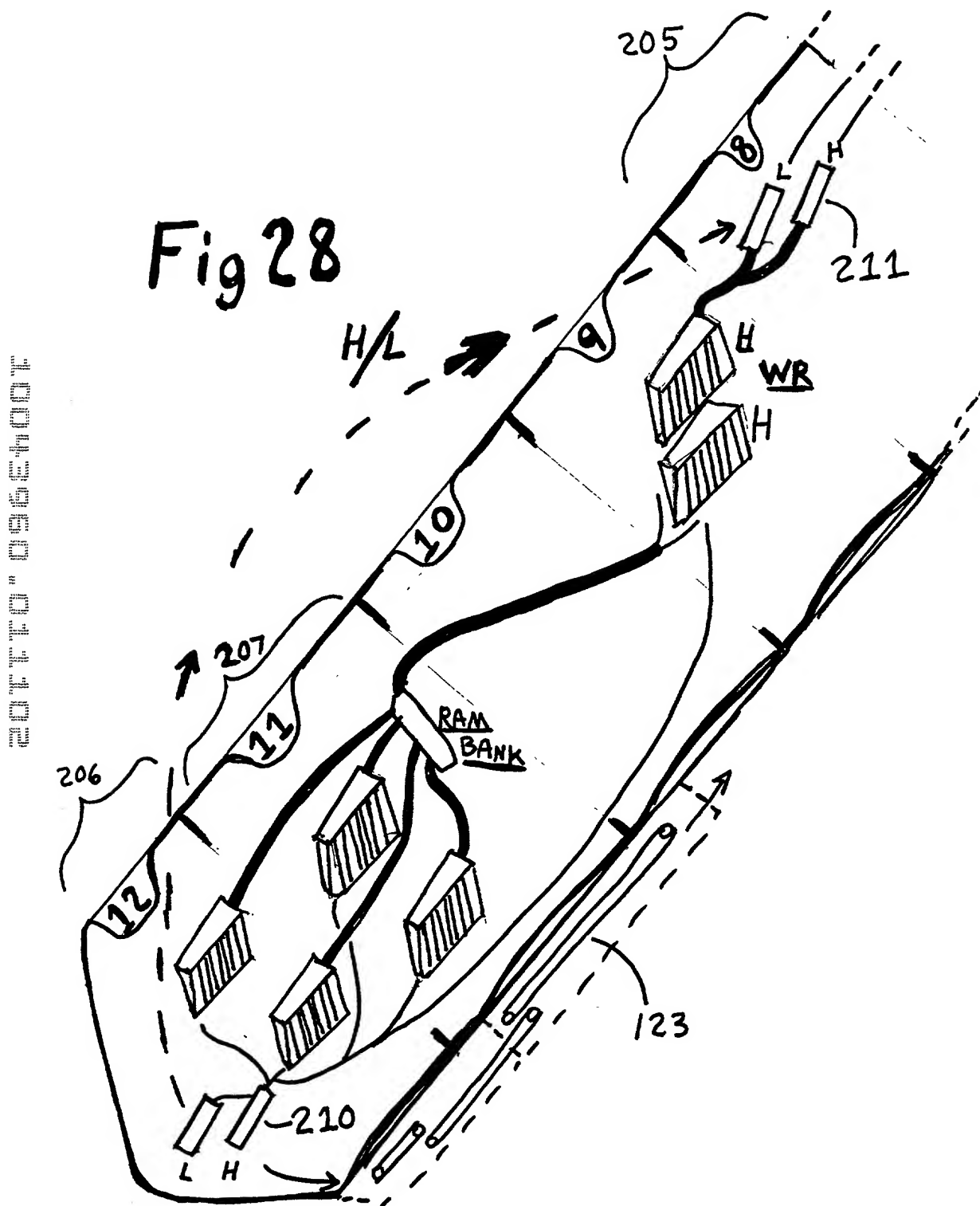


Fig 28



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INC

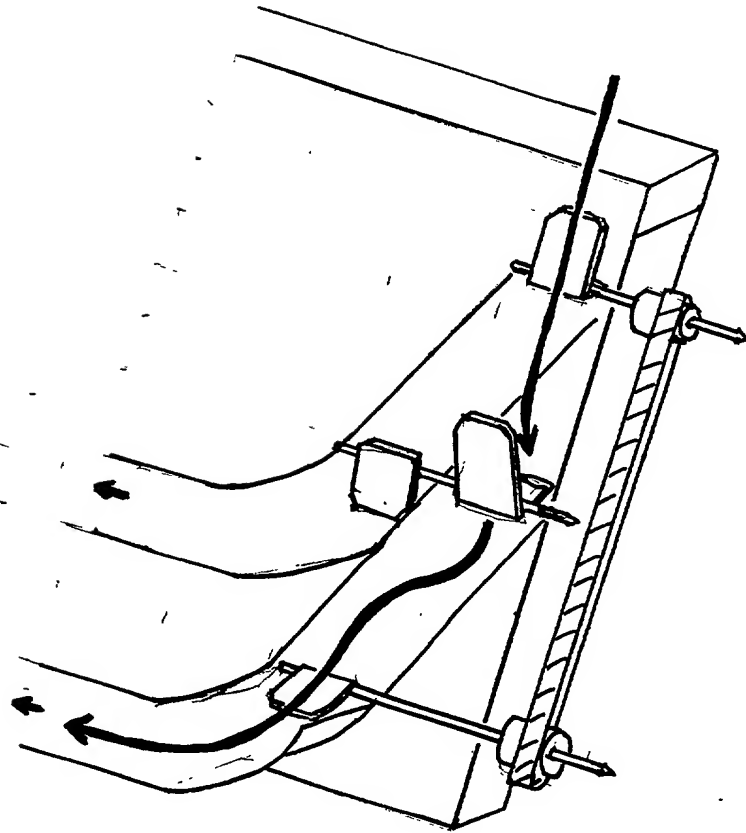


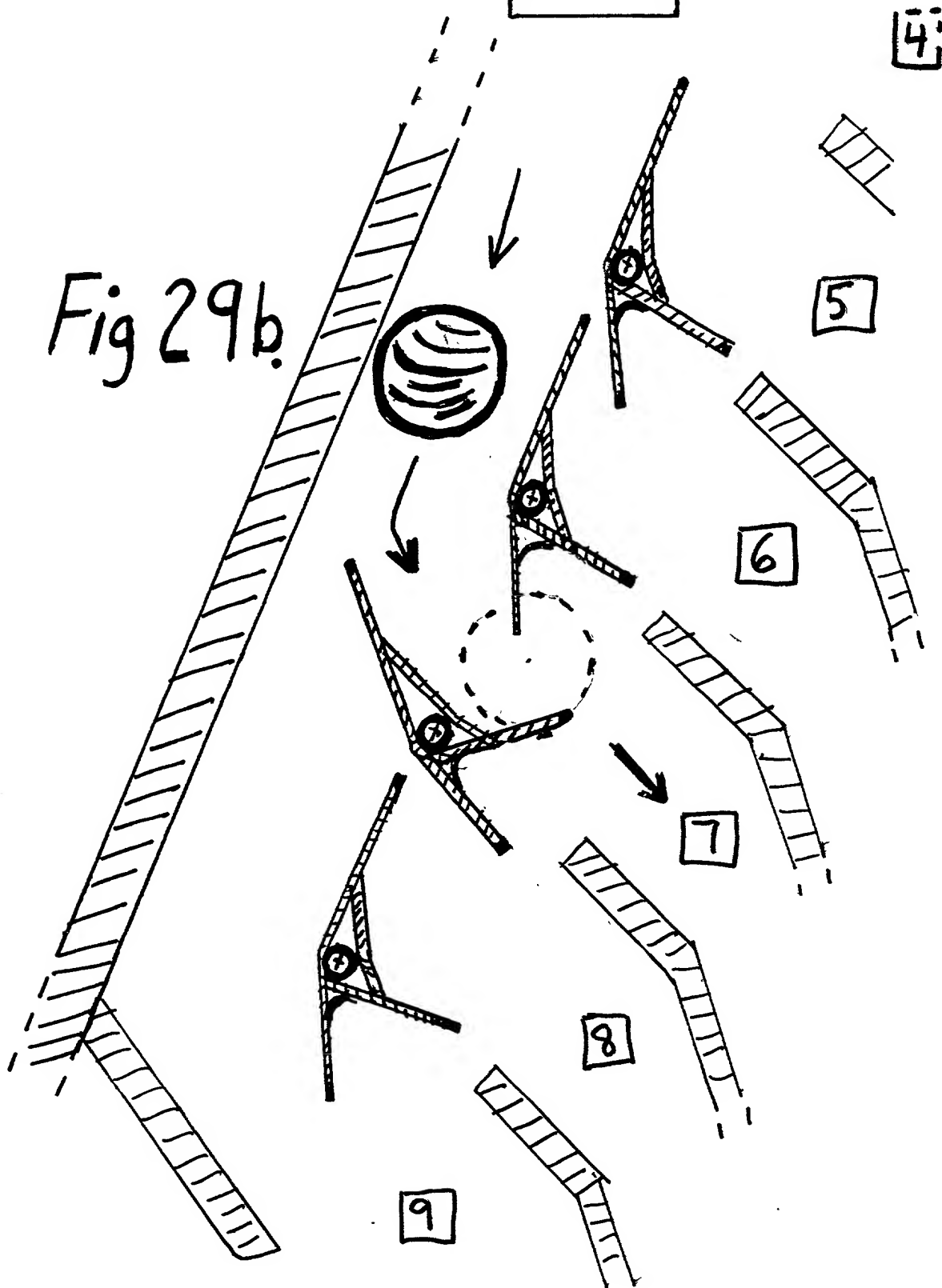
Fig. 29a

10043950.01103

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DEC

Fig 29b.



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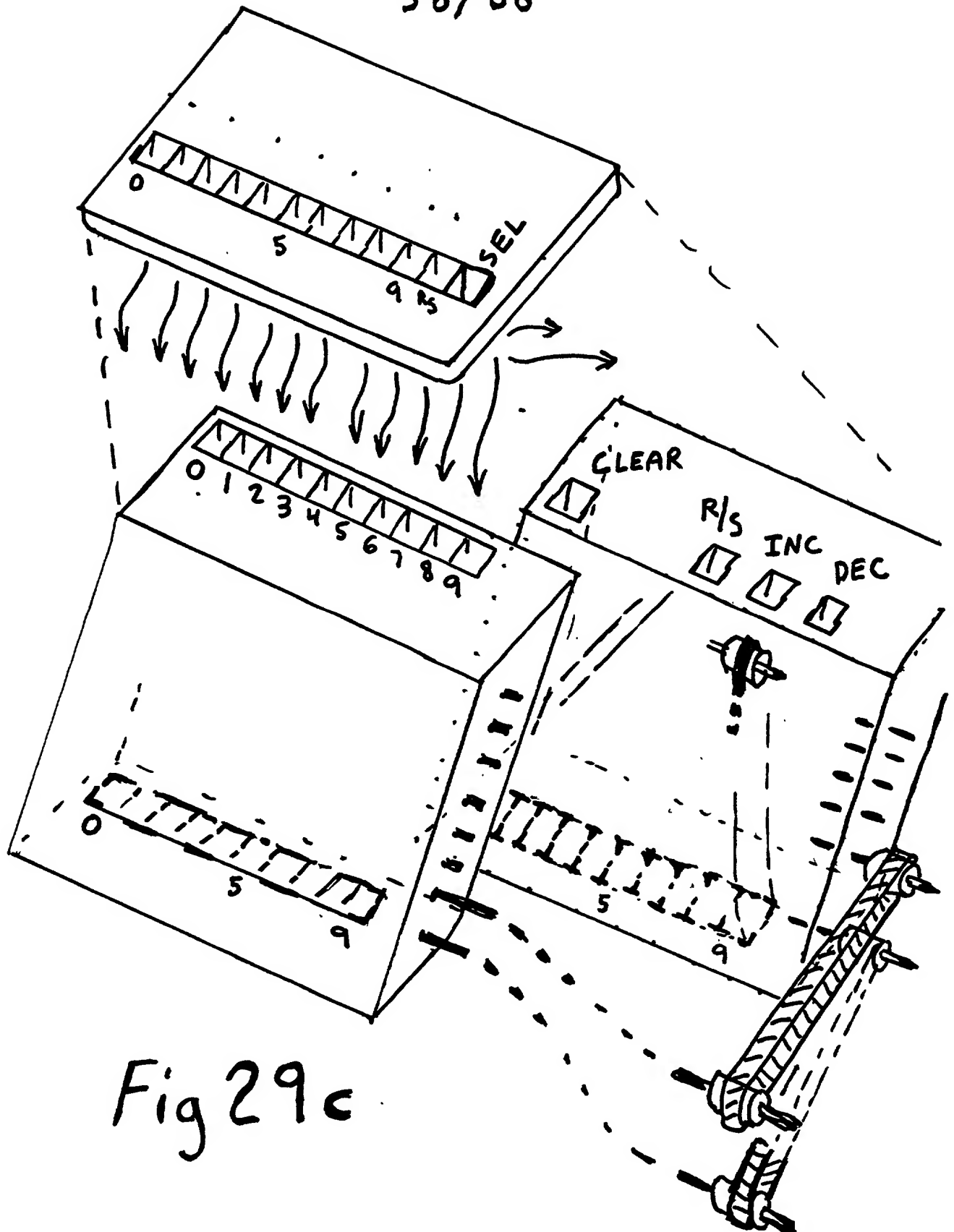


Fig 29c

10043960-01103

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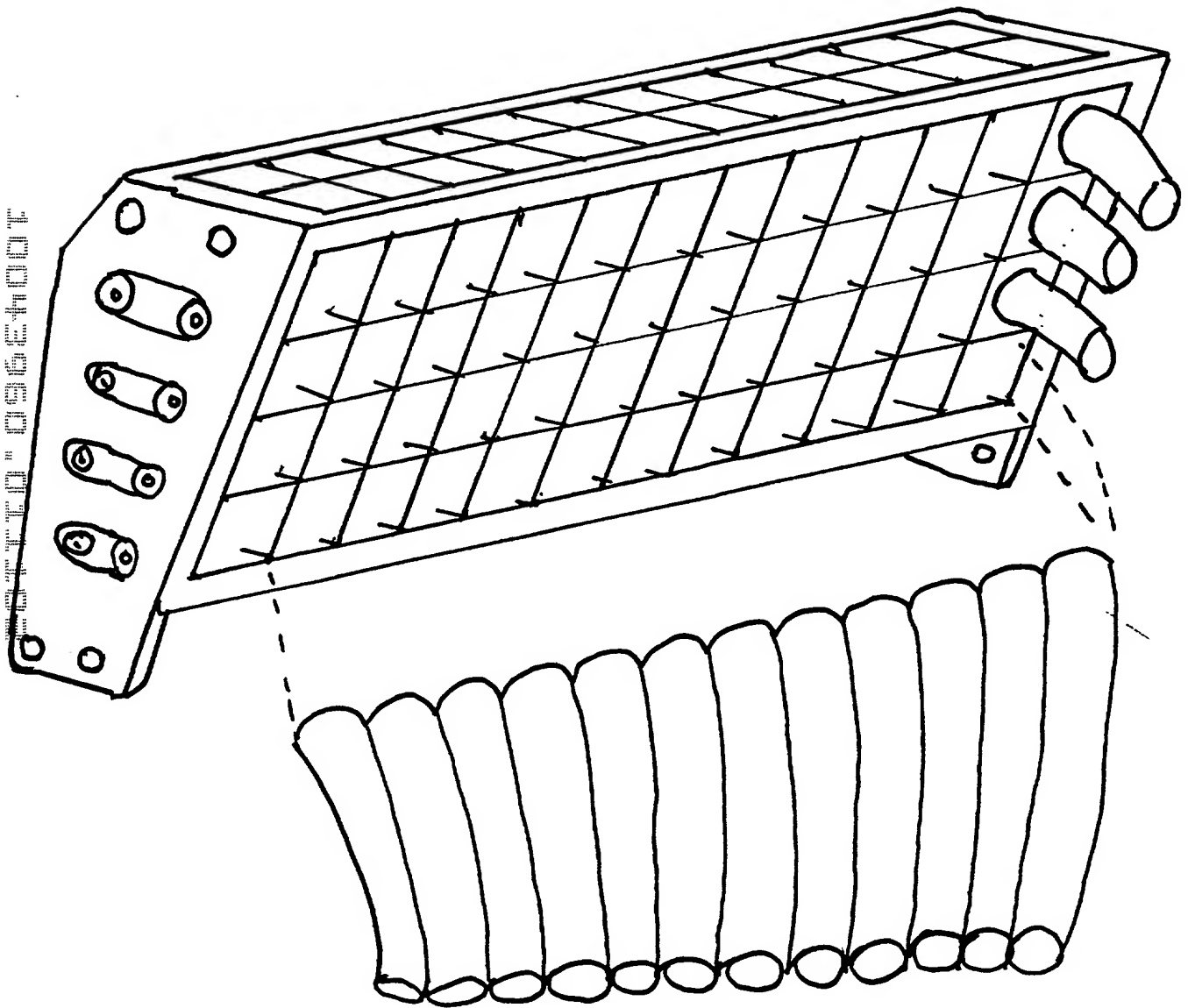


Fig 29d

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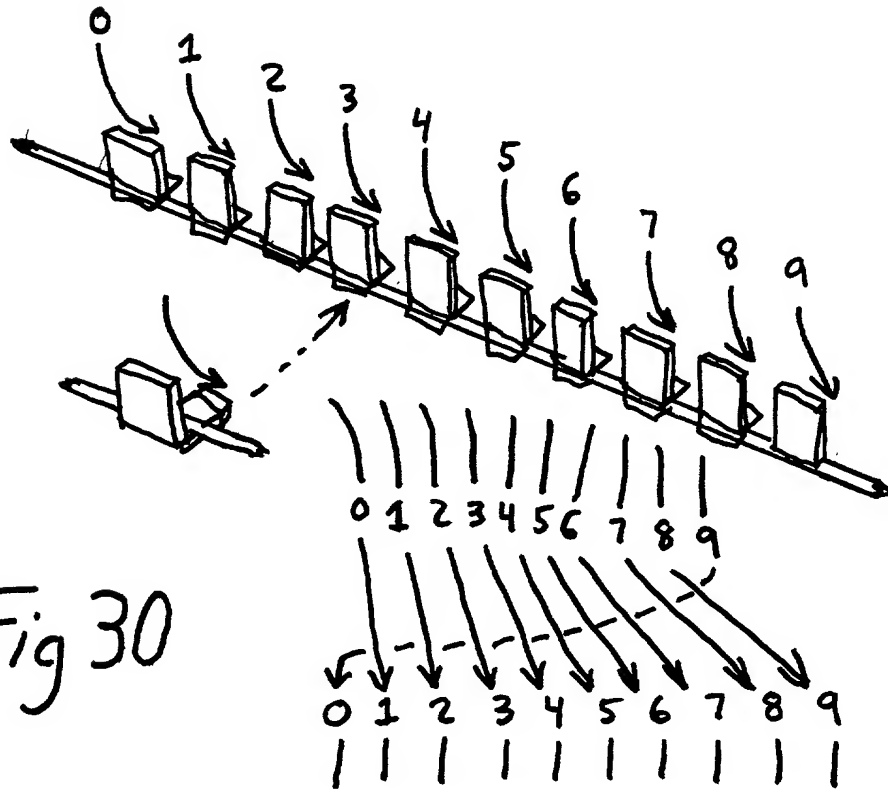
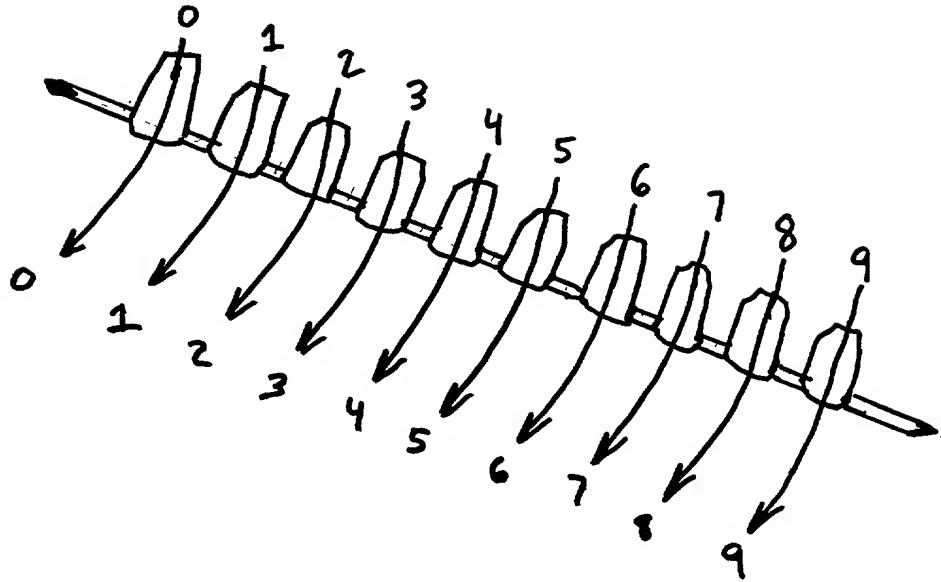
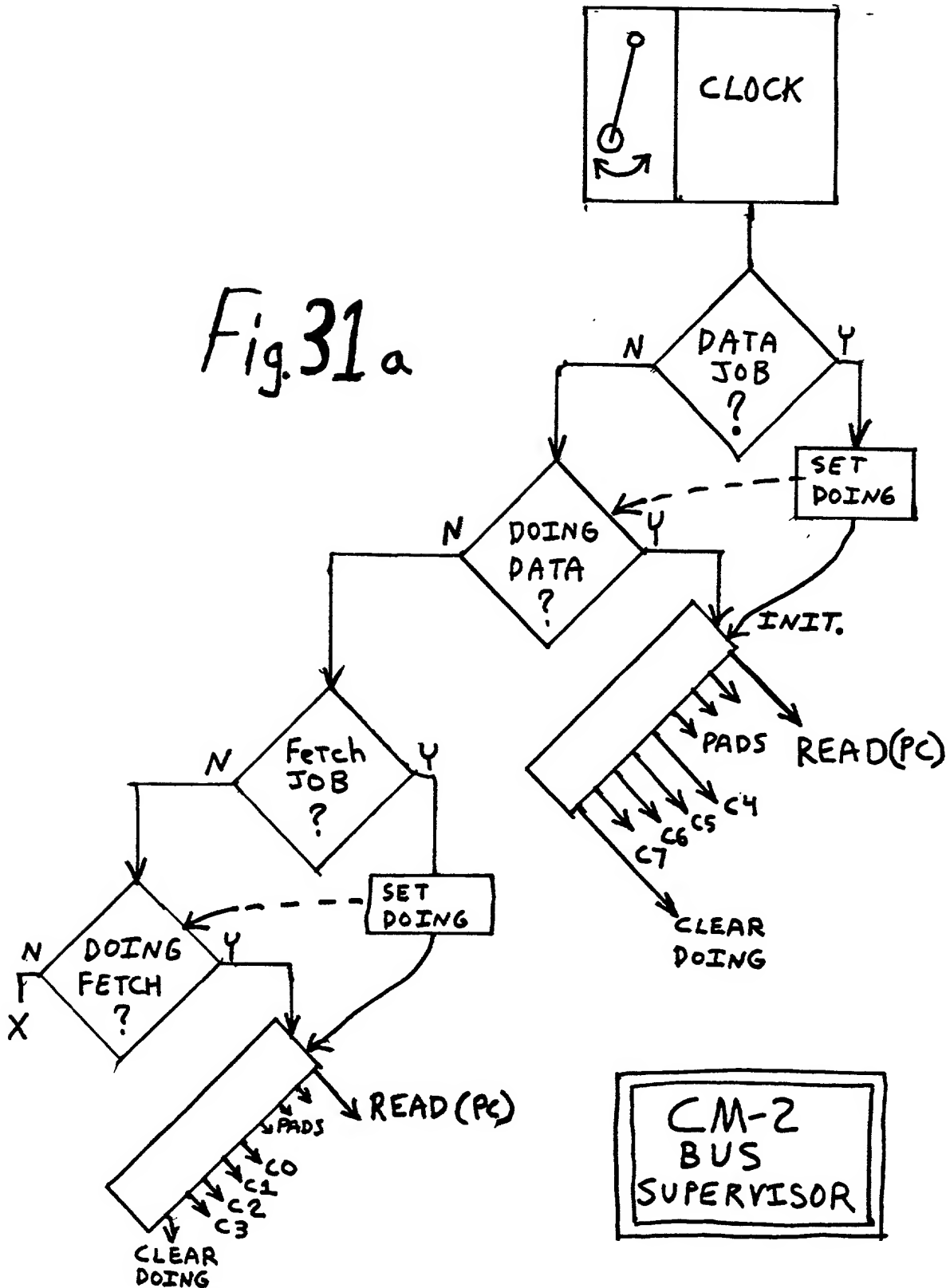


Fig 30

10043950.01102

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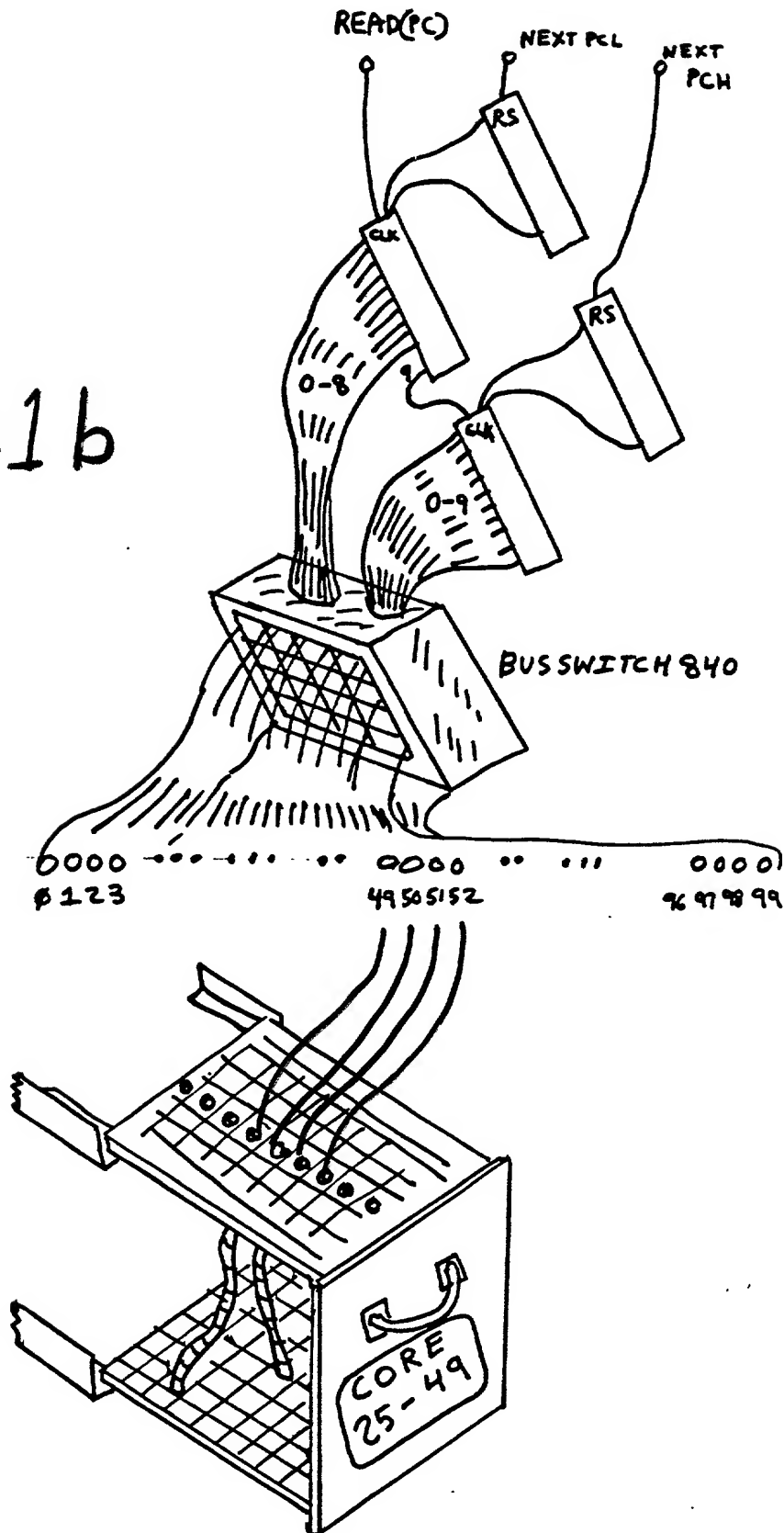
Fig. 31a



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Fig 31b



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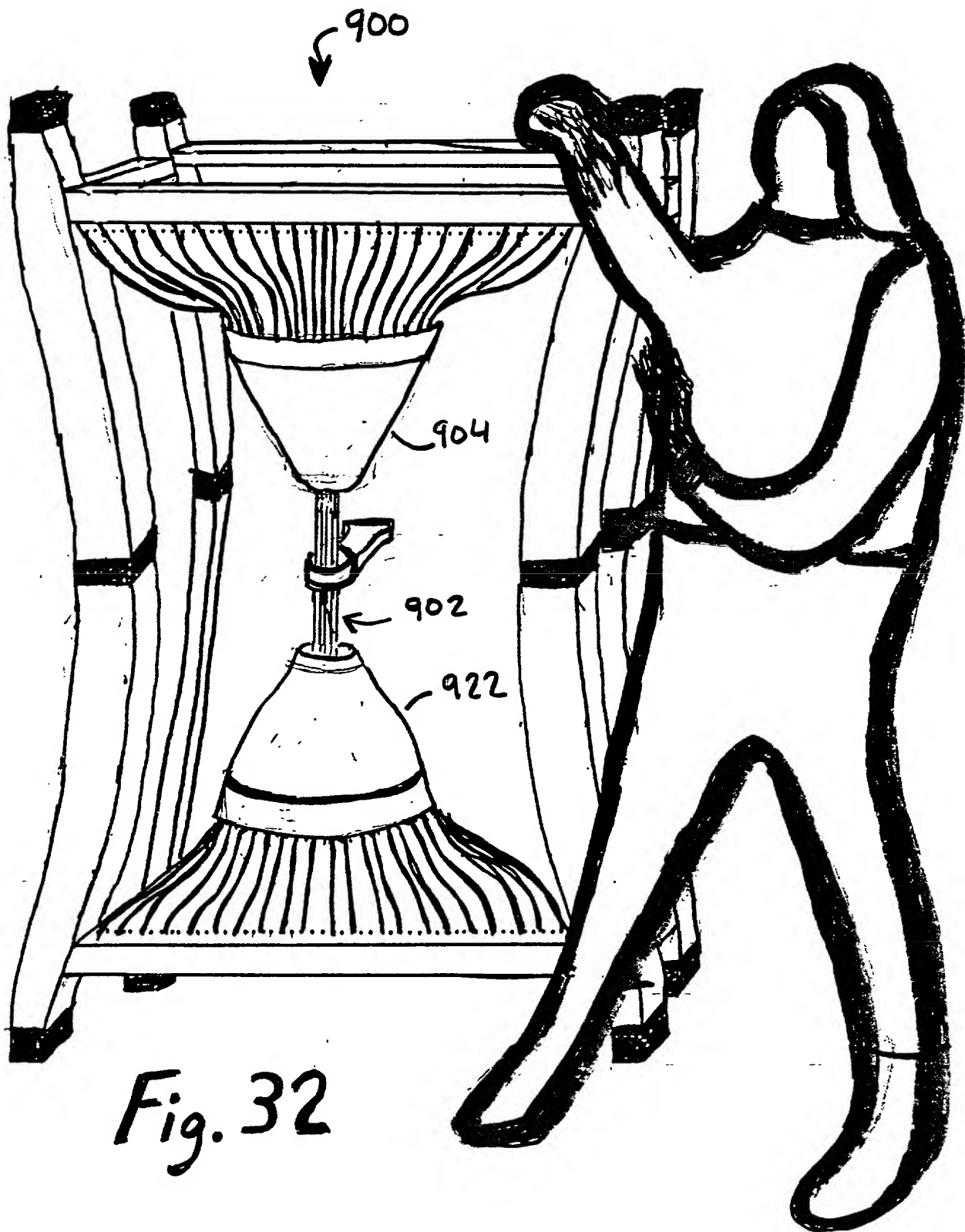
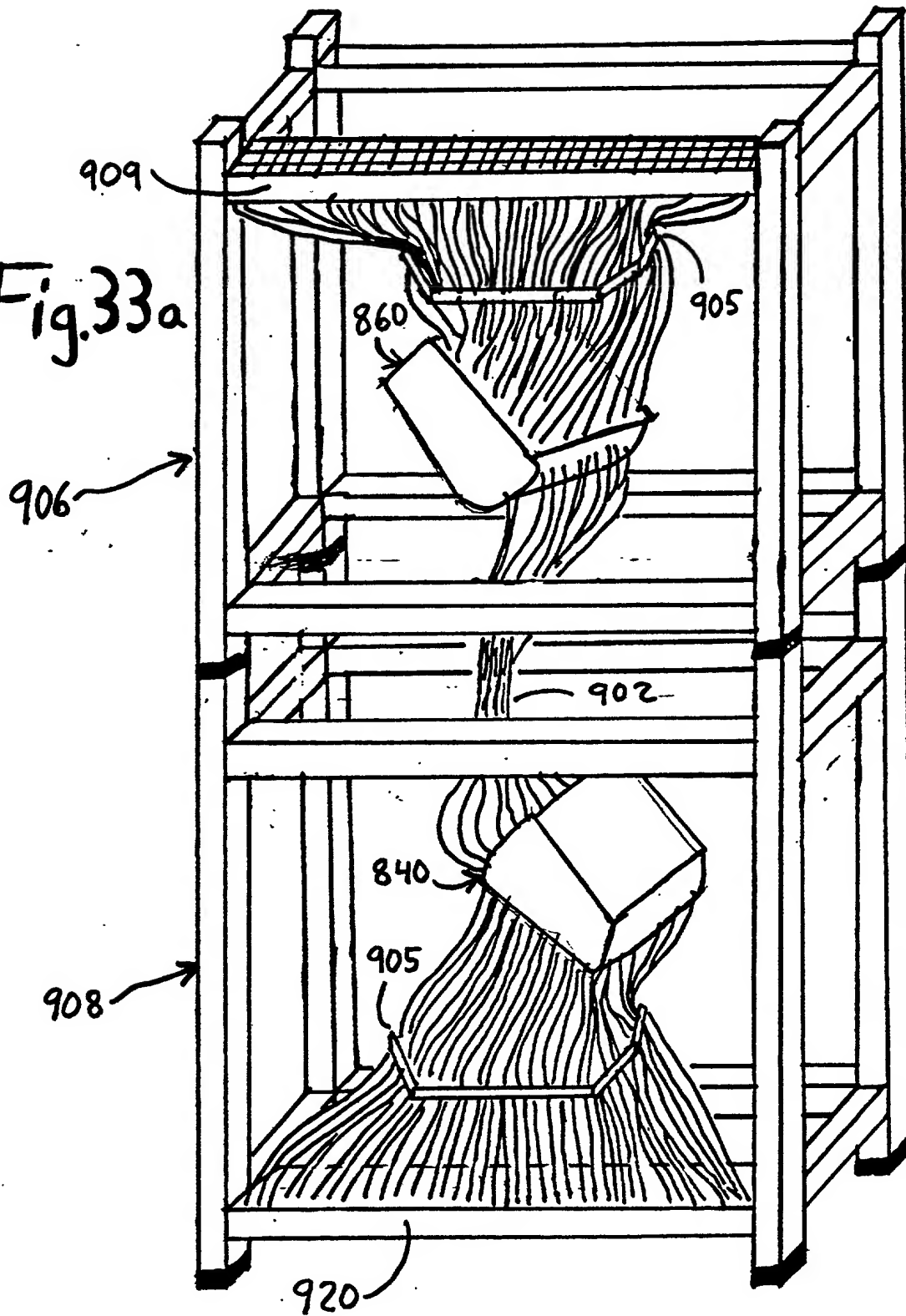


Fig. 32

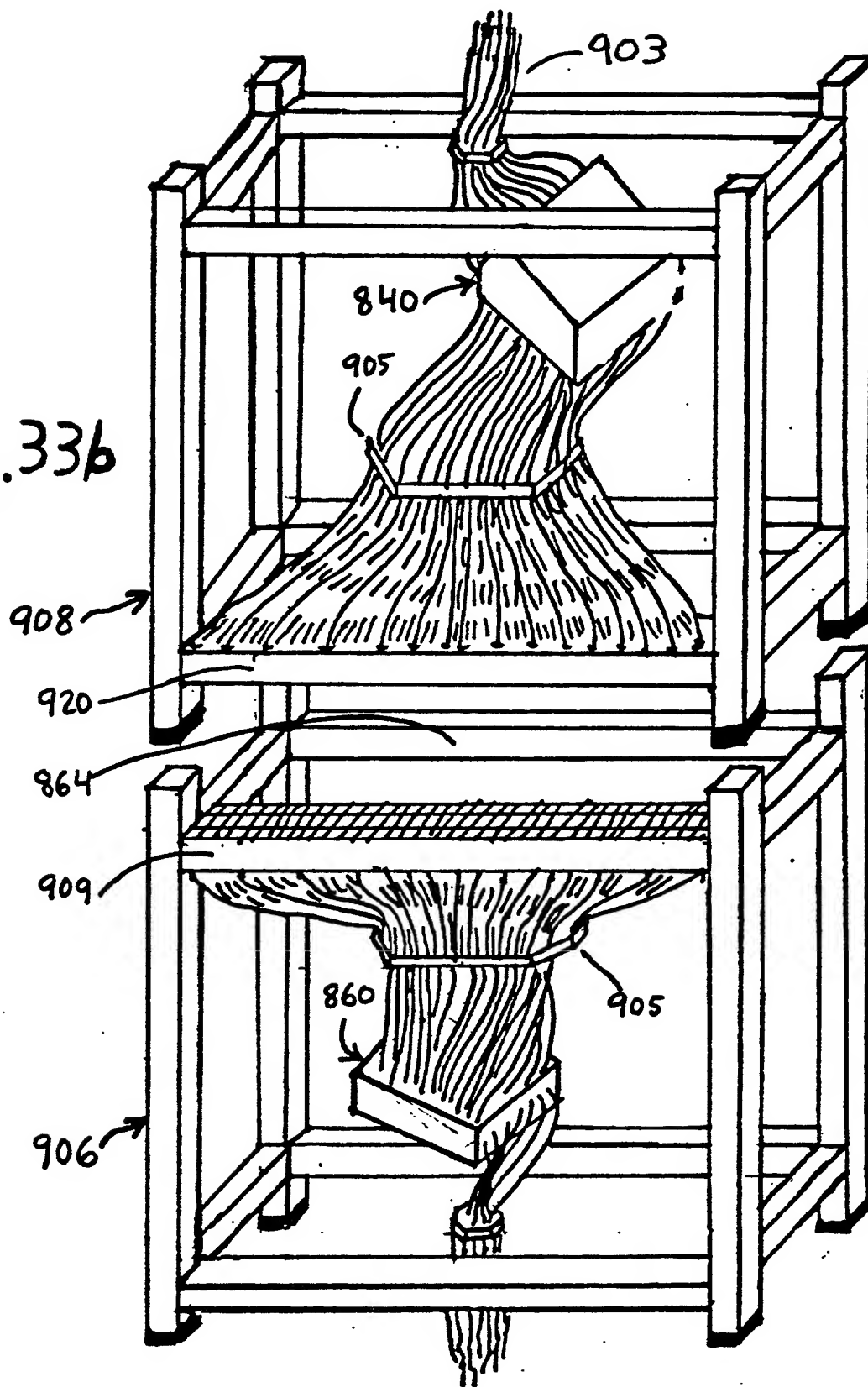
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Fig.33a



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Fig. 33b



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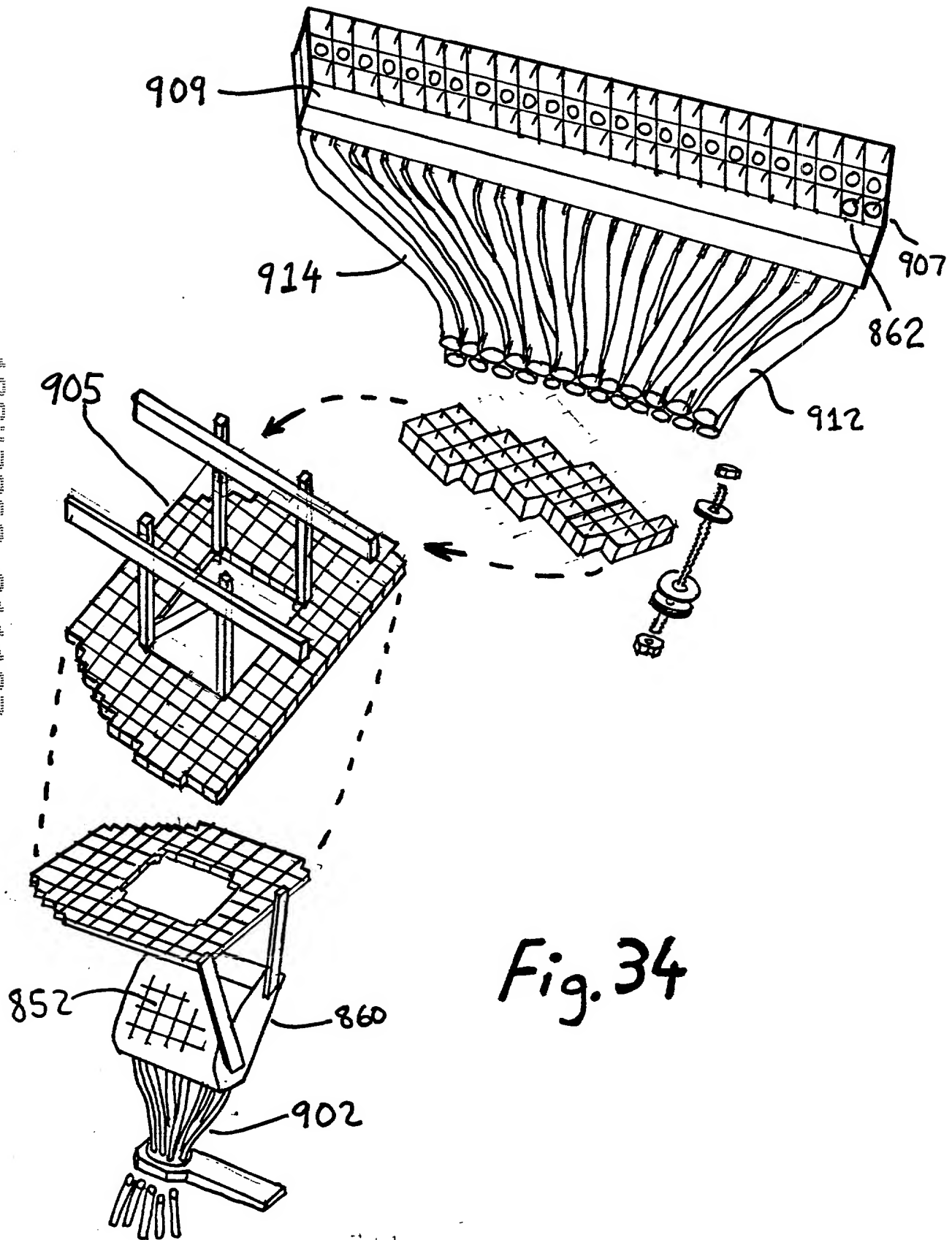


Fig. 34

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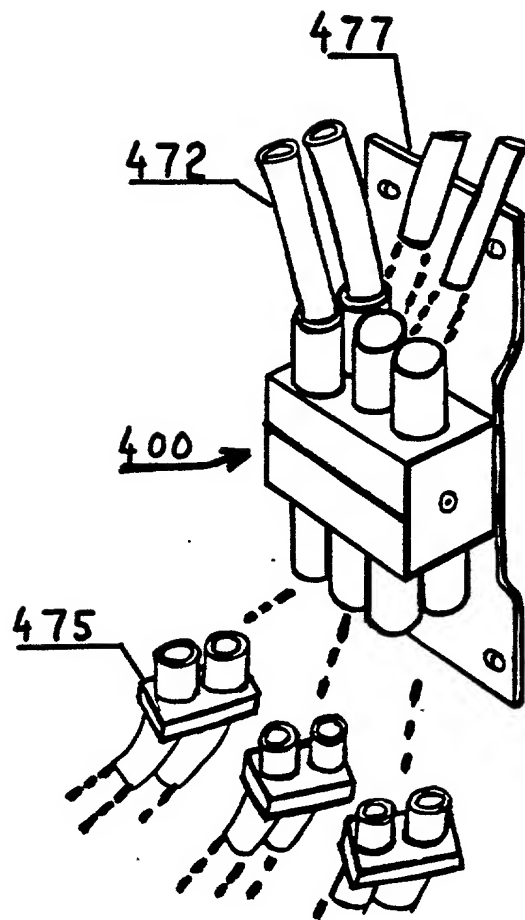


FIG. 35

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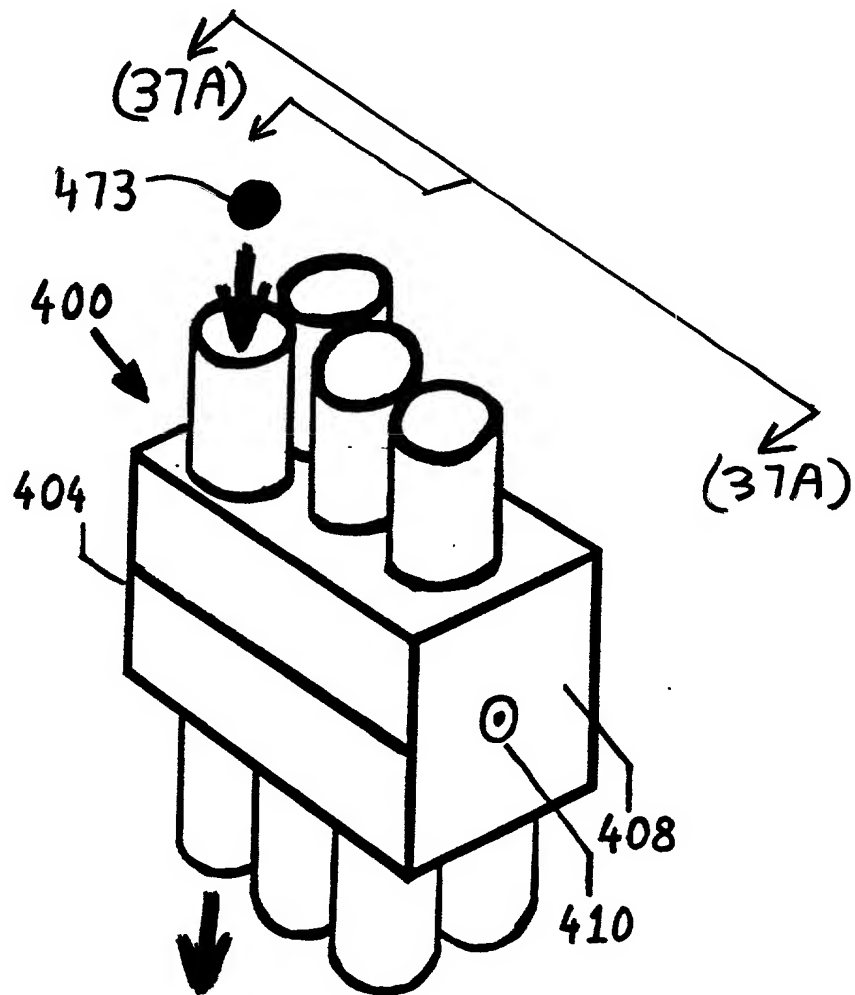


FIG. 36 a

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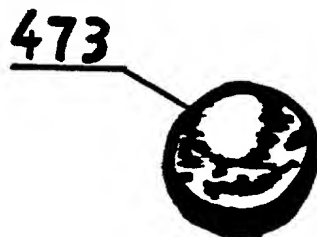
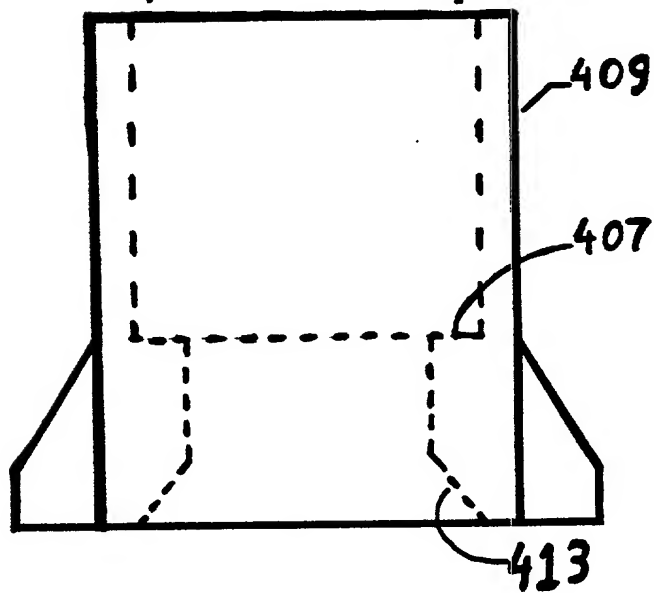
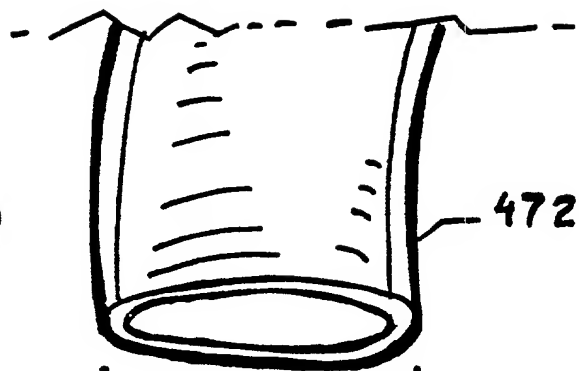


FIG. 36b



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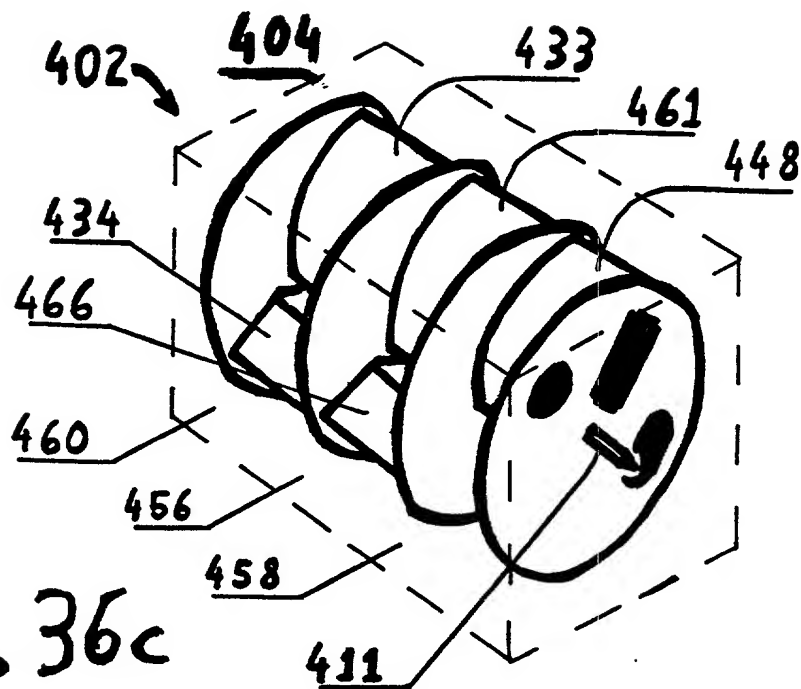


FIG. 36c

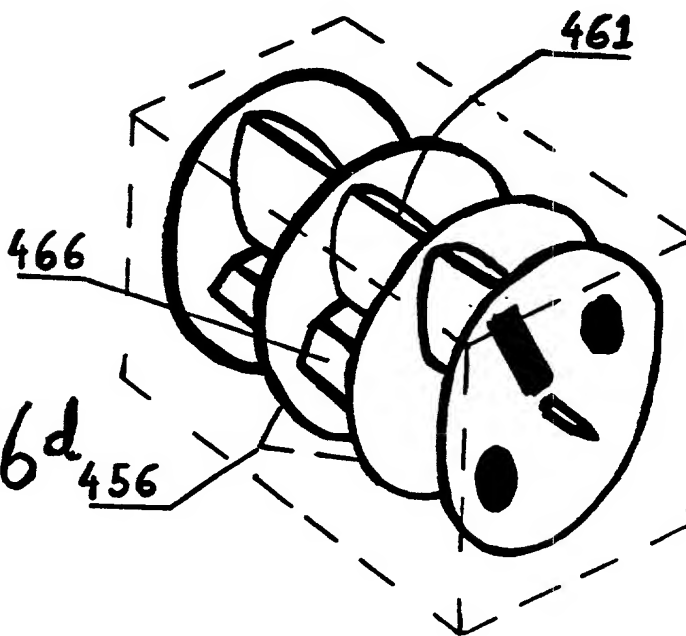


FIG. 36d

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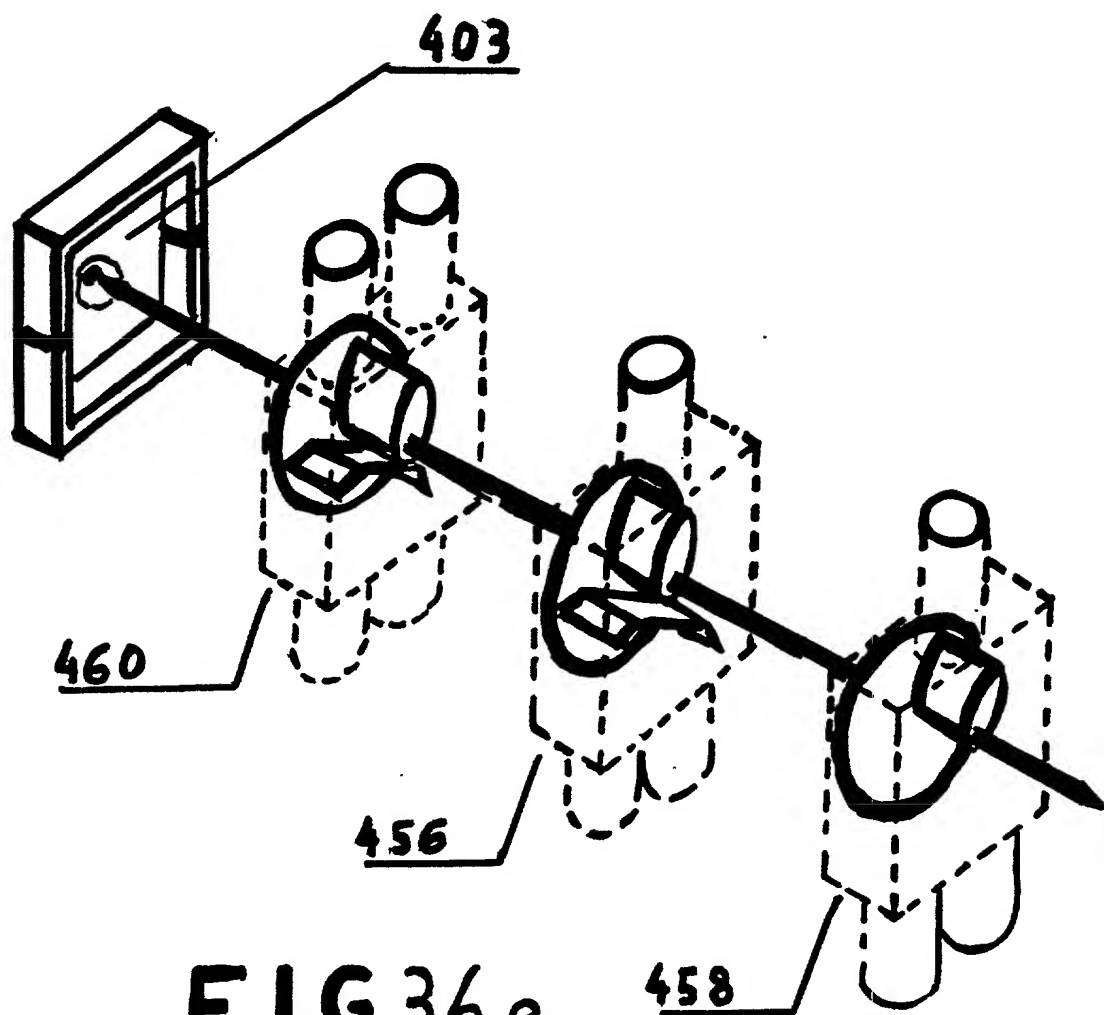


FIG 36e

20110101 09554007

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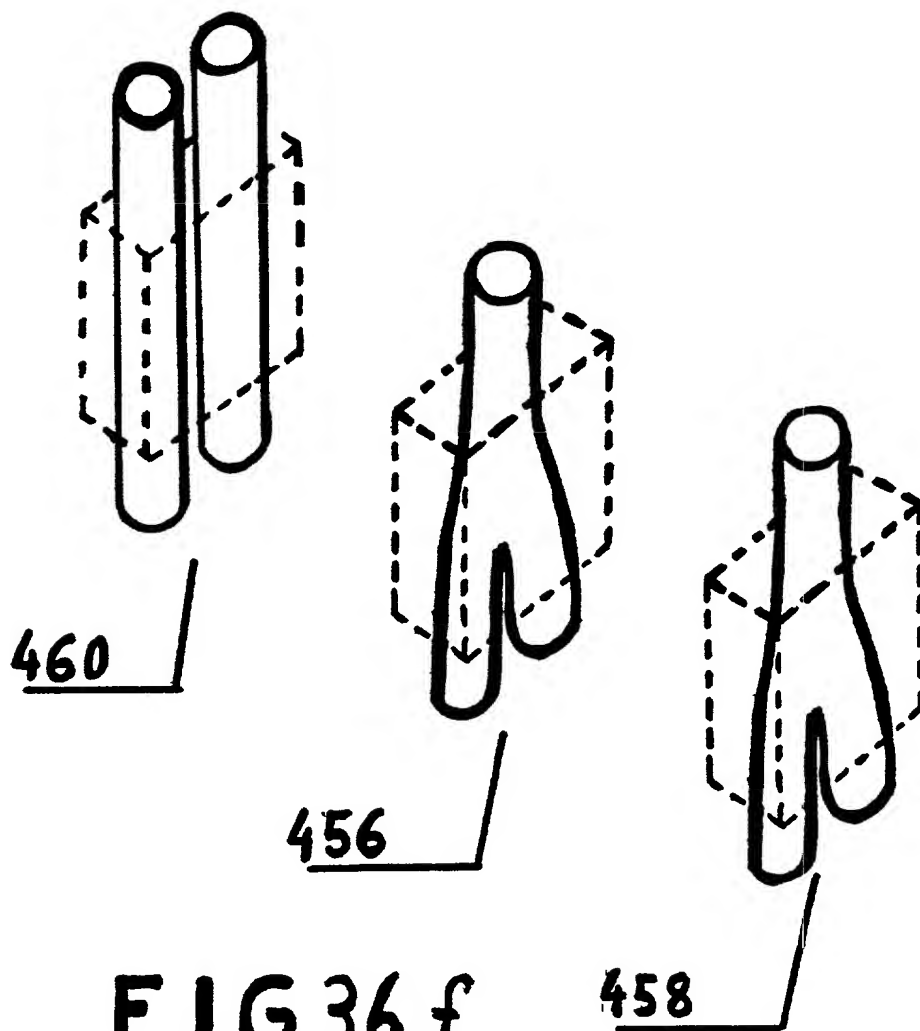
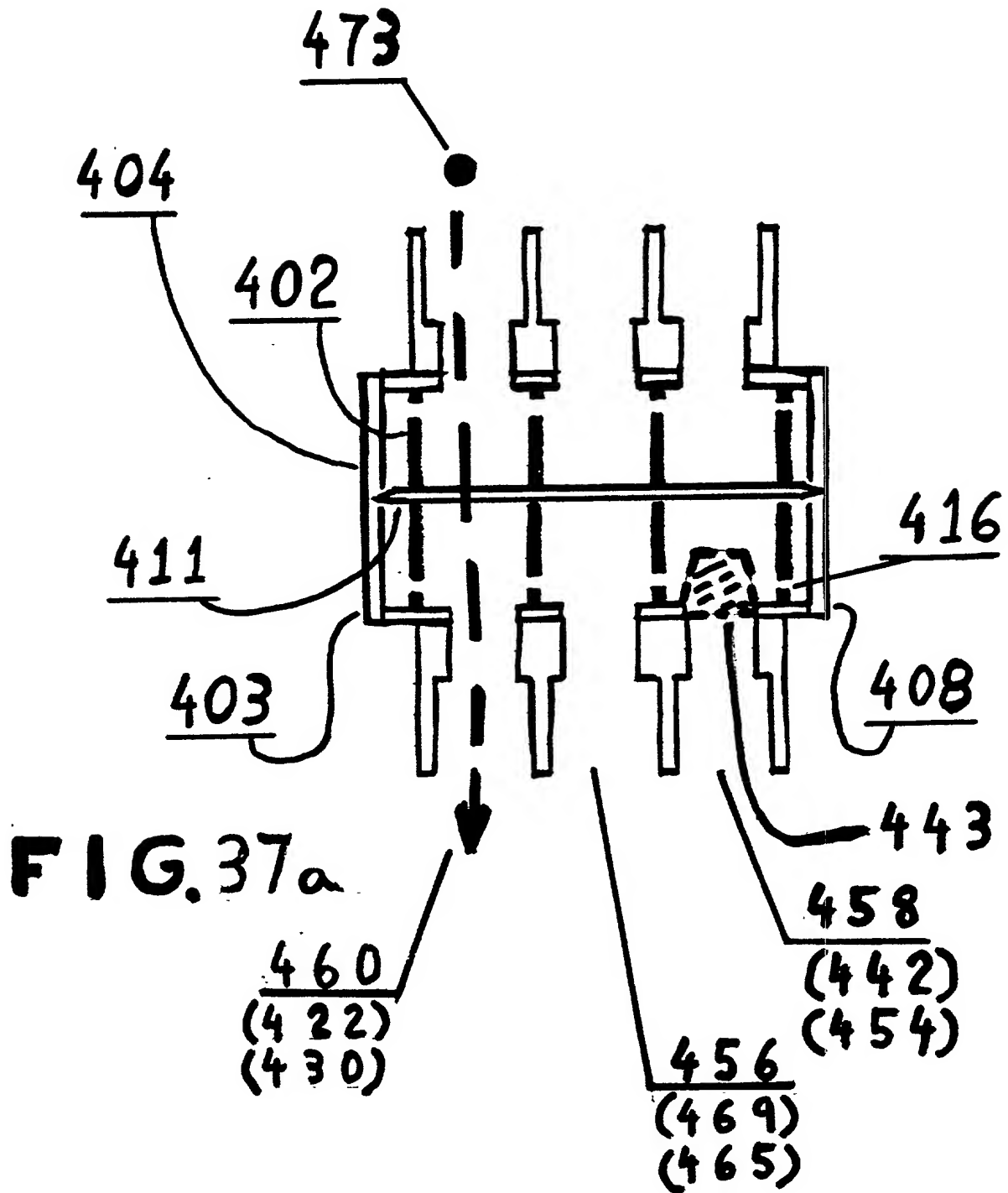


FIG 36 f

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10043960.011103

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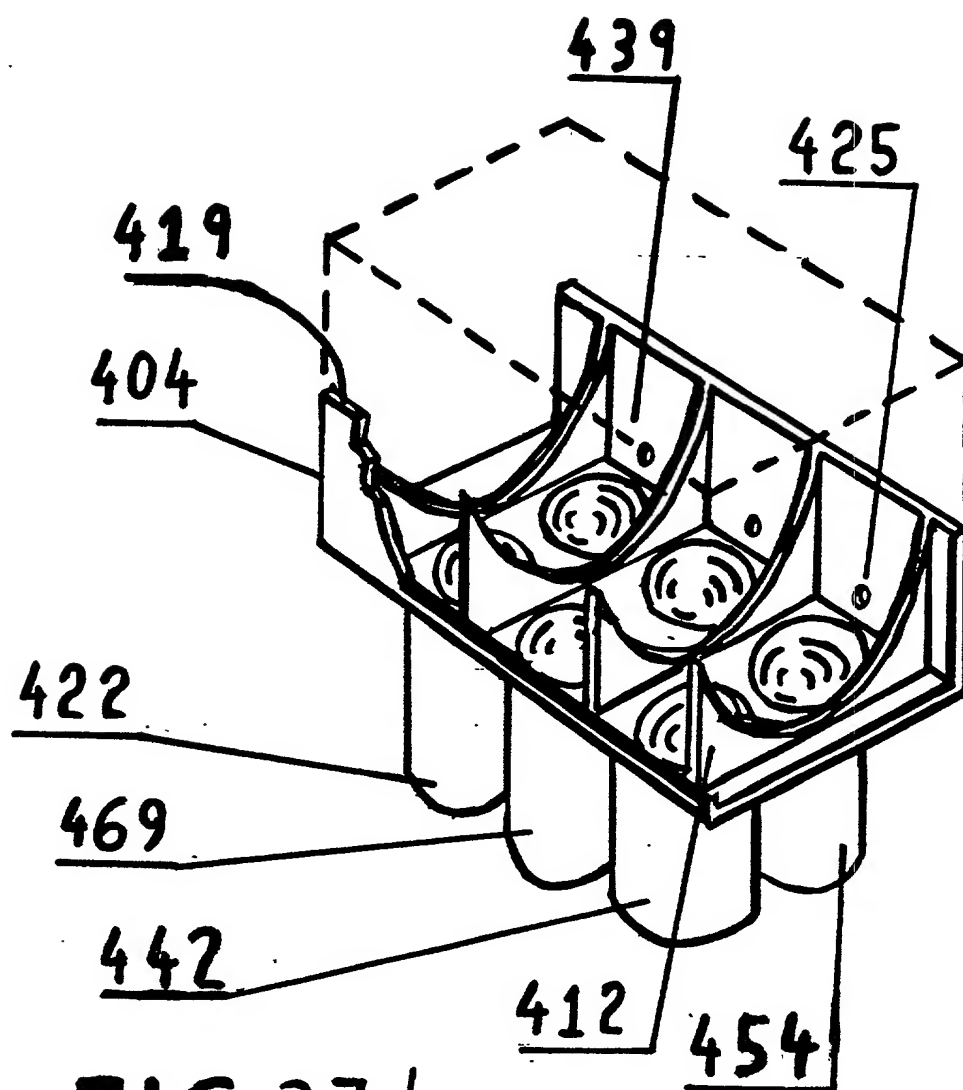
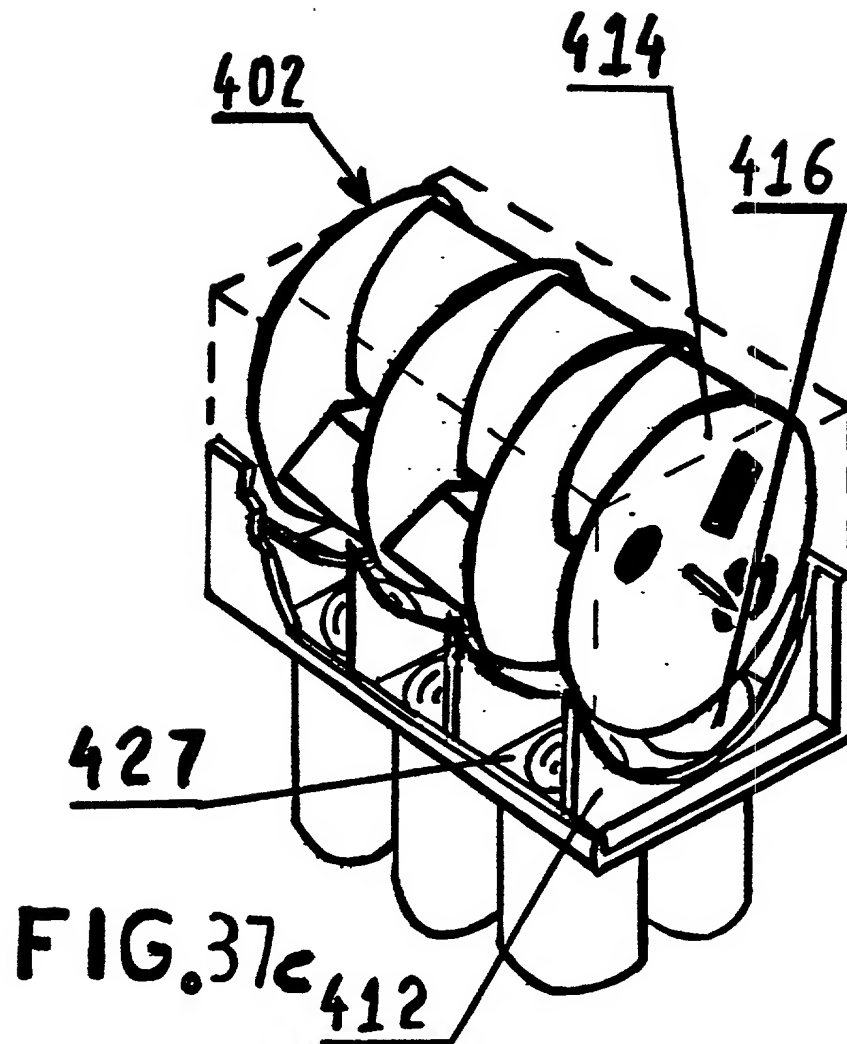


FIG. 37b

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20110101 09564001

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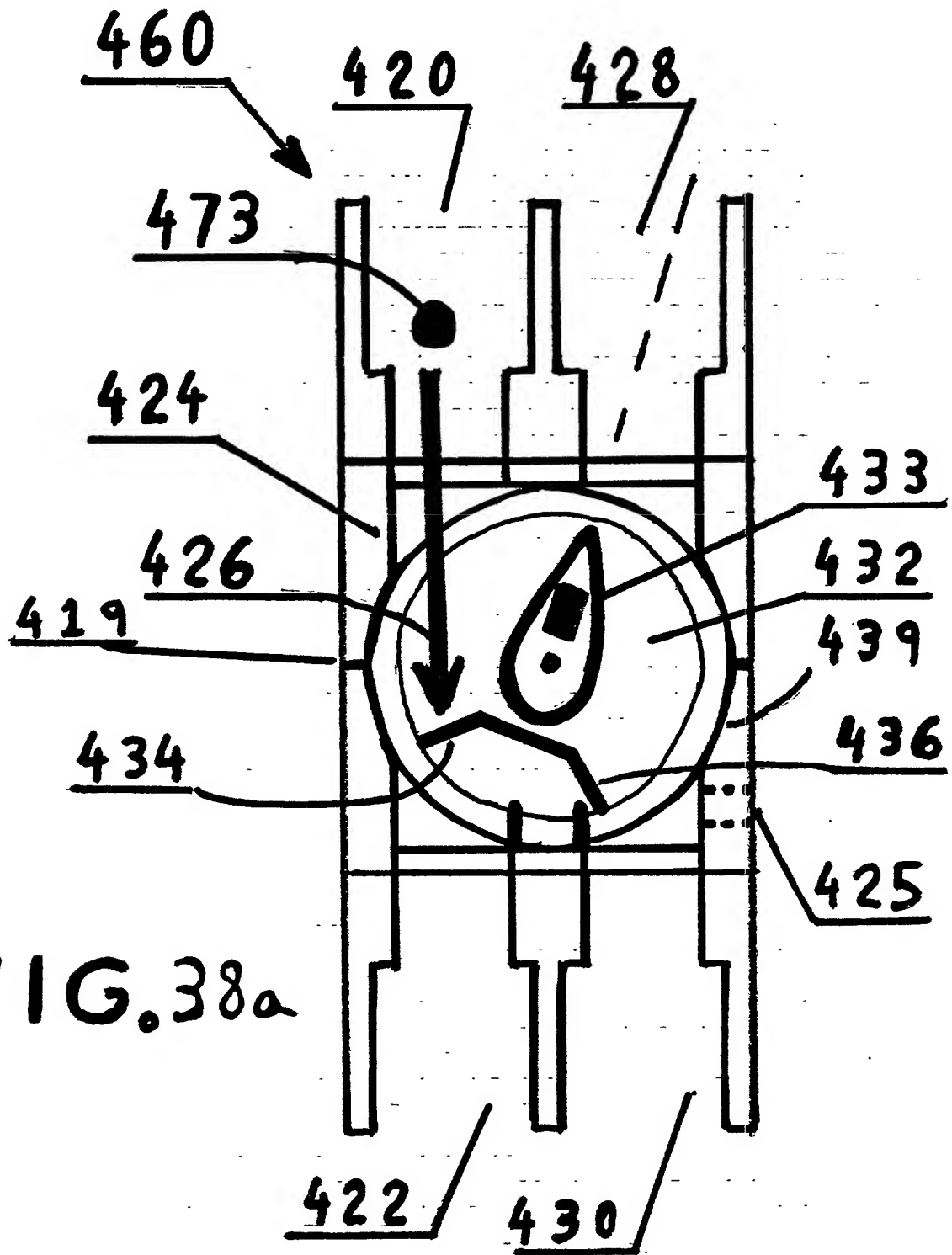
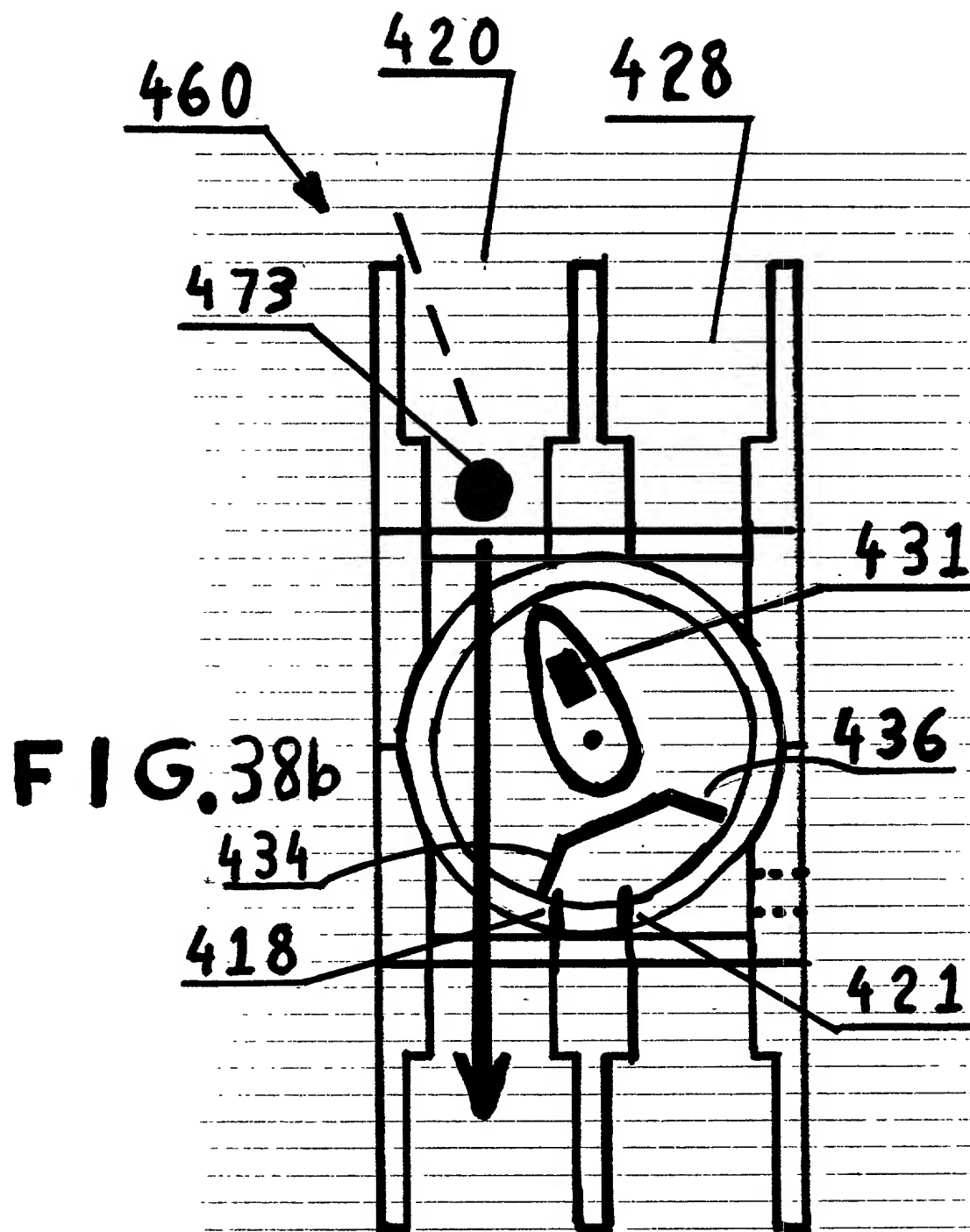


FIG. 38a

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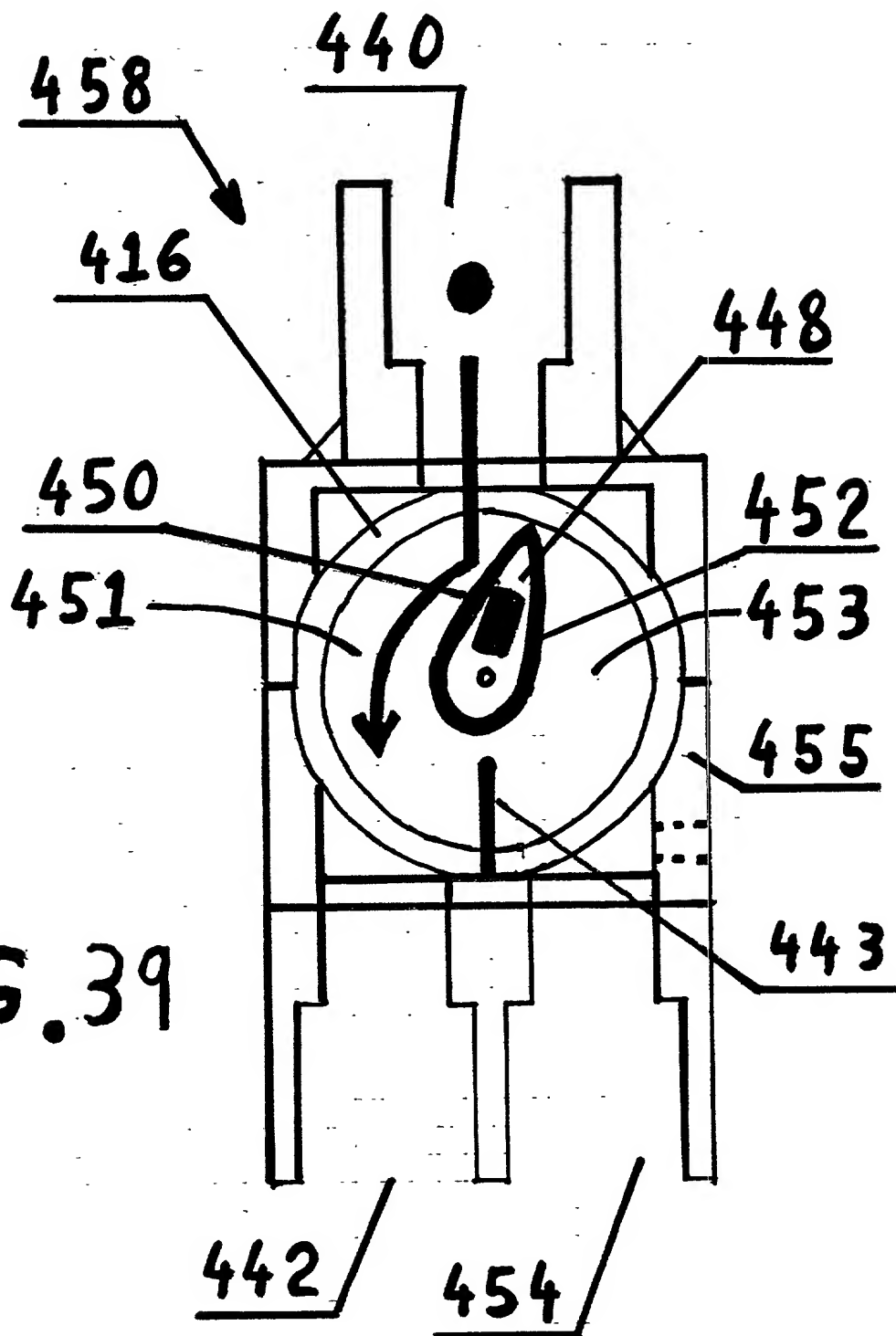


FIG. 39

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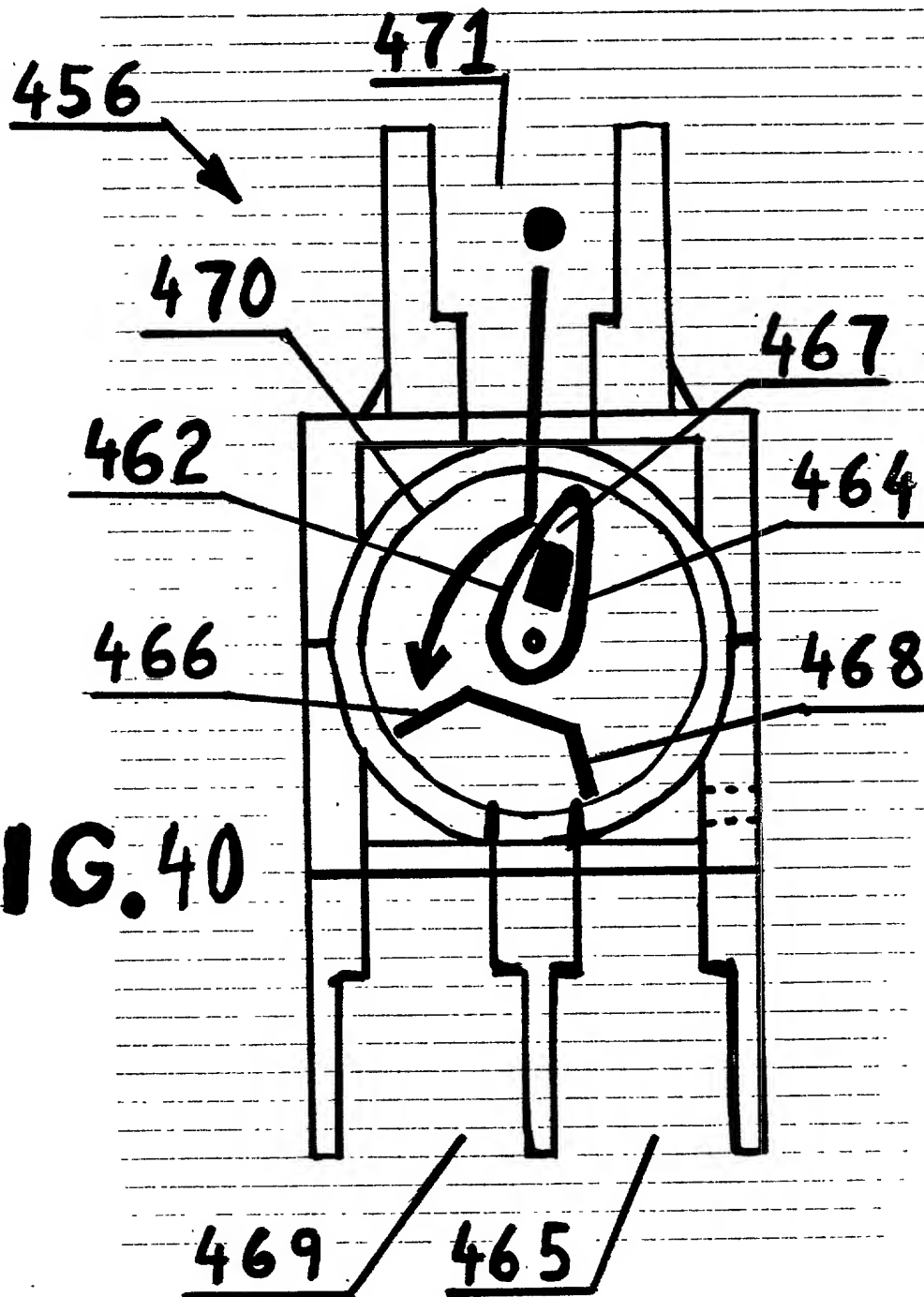


FIG. 40

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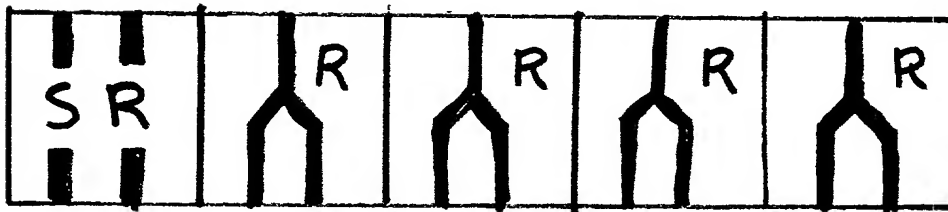
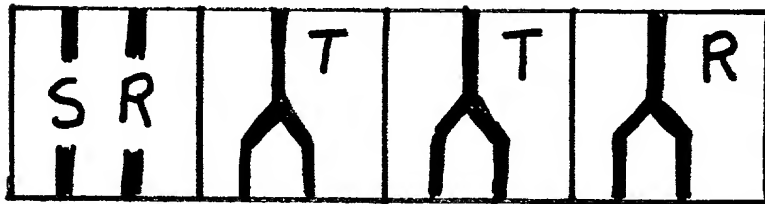
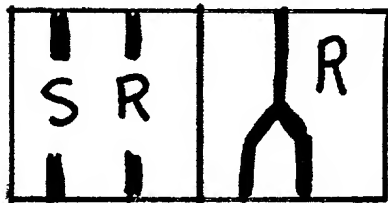
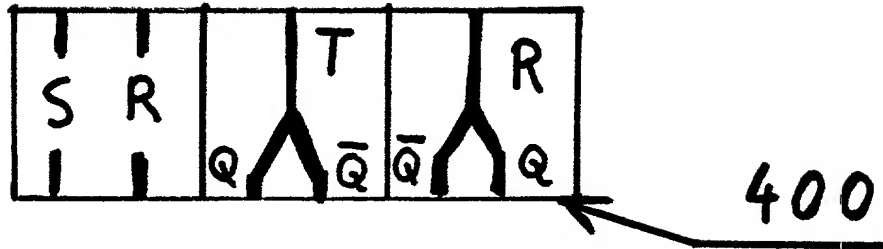


FIG. 41

10043960-01402

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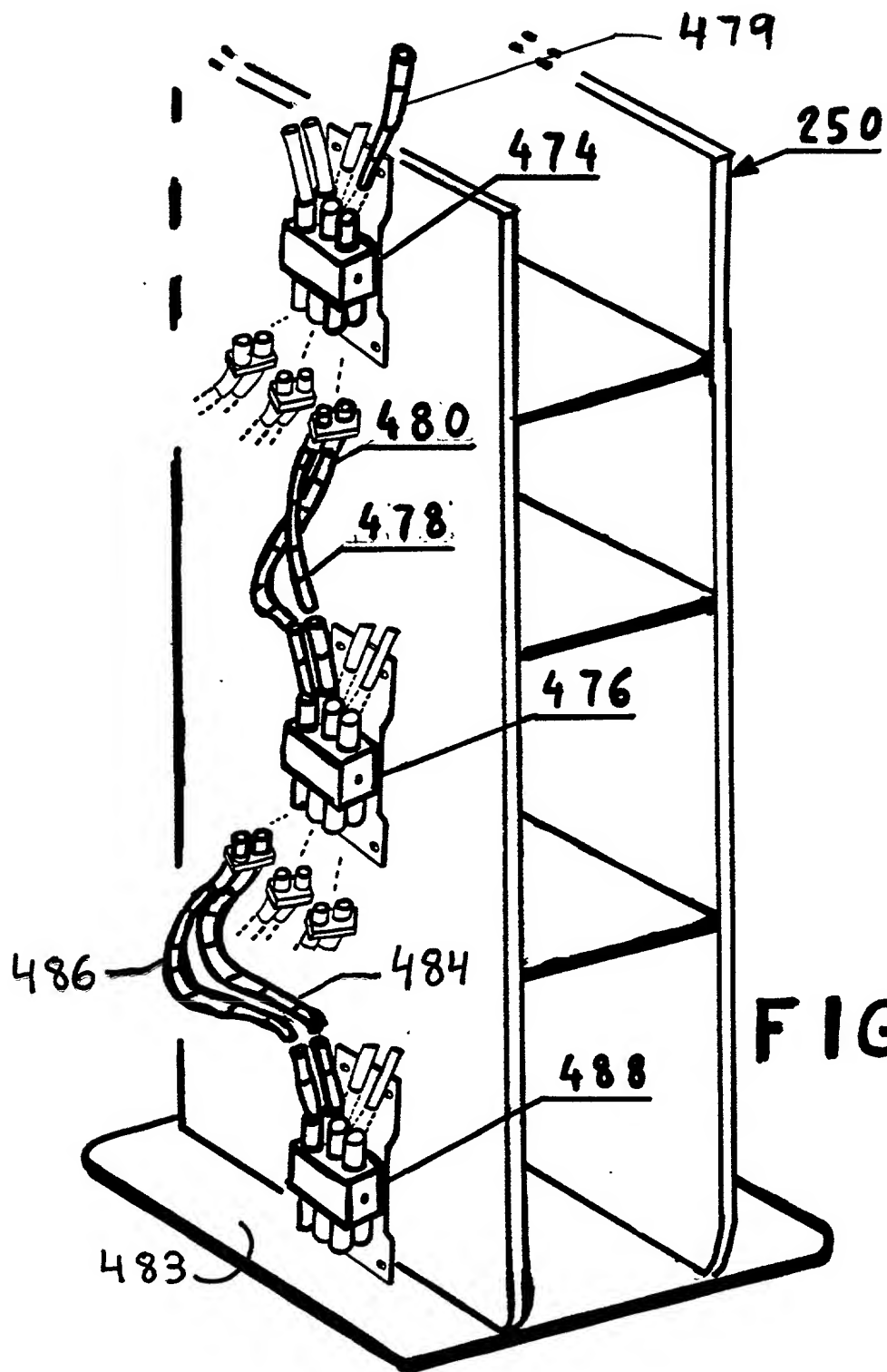


FIG. 42a

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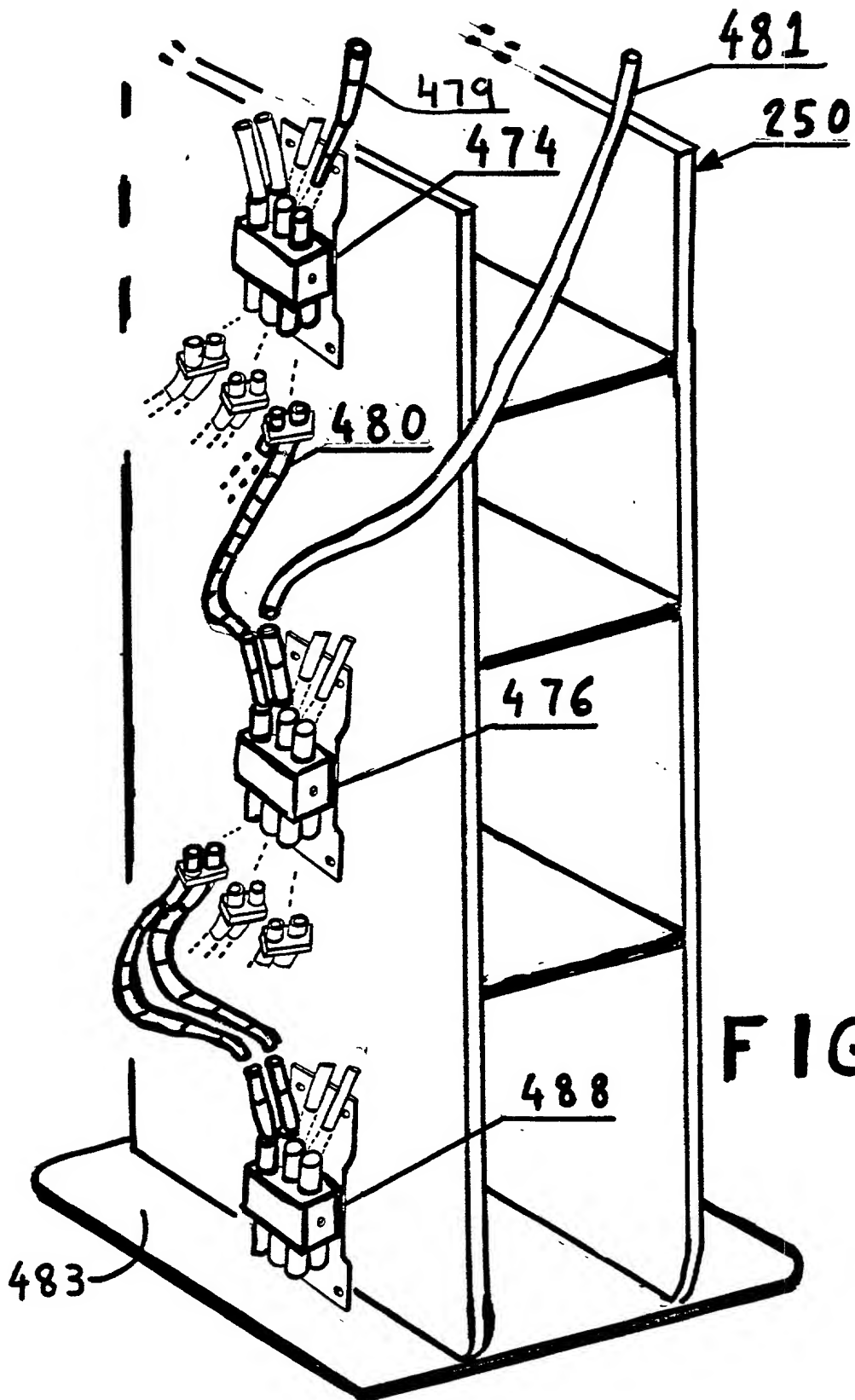
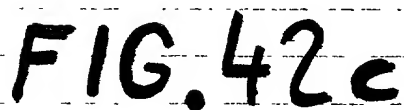


FIG.42b

10043960.01.103



X = connect to drain

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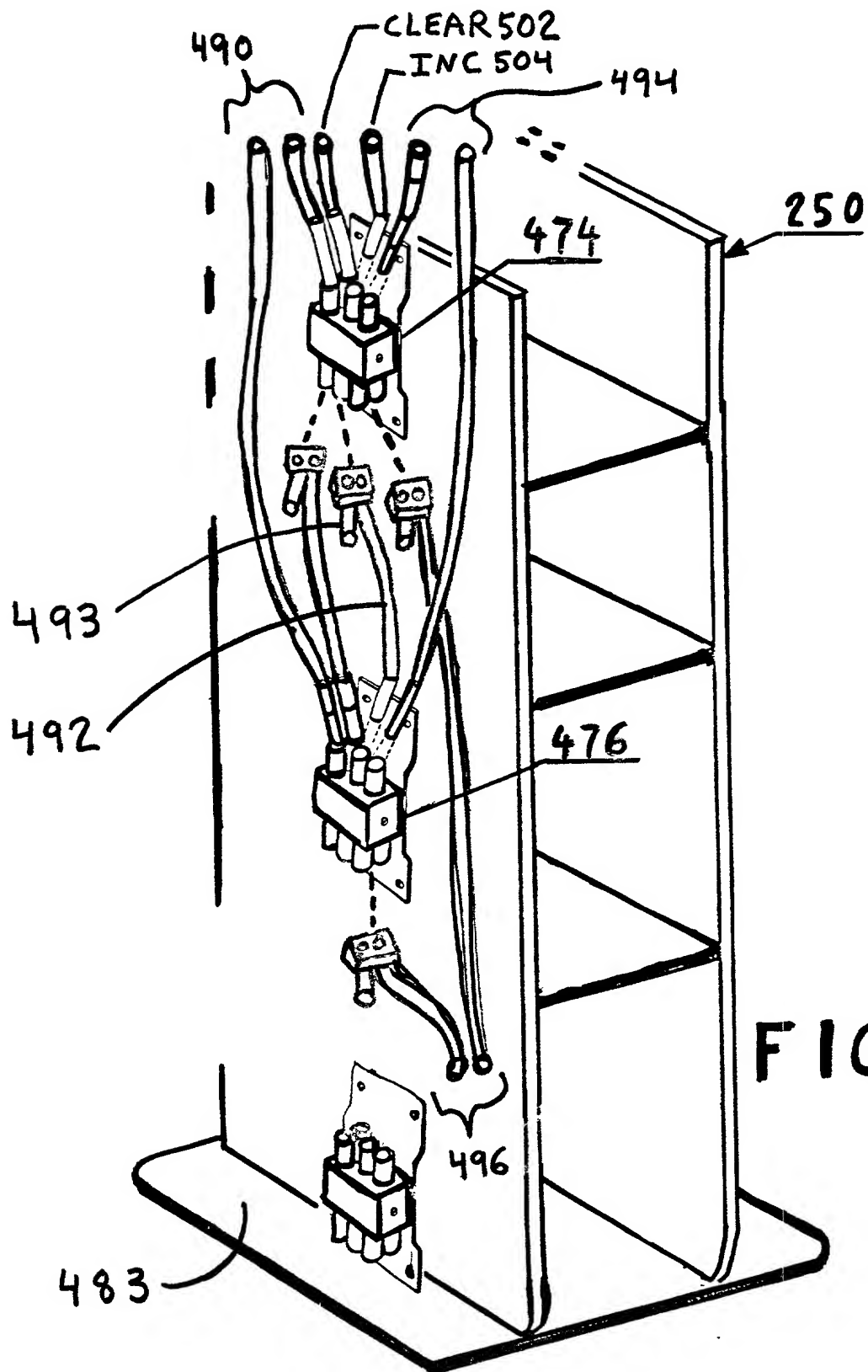


FIG. 43a

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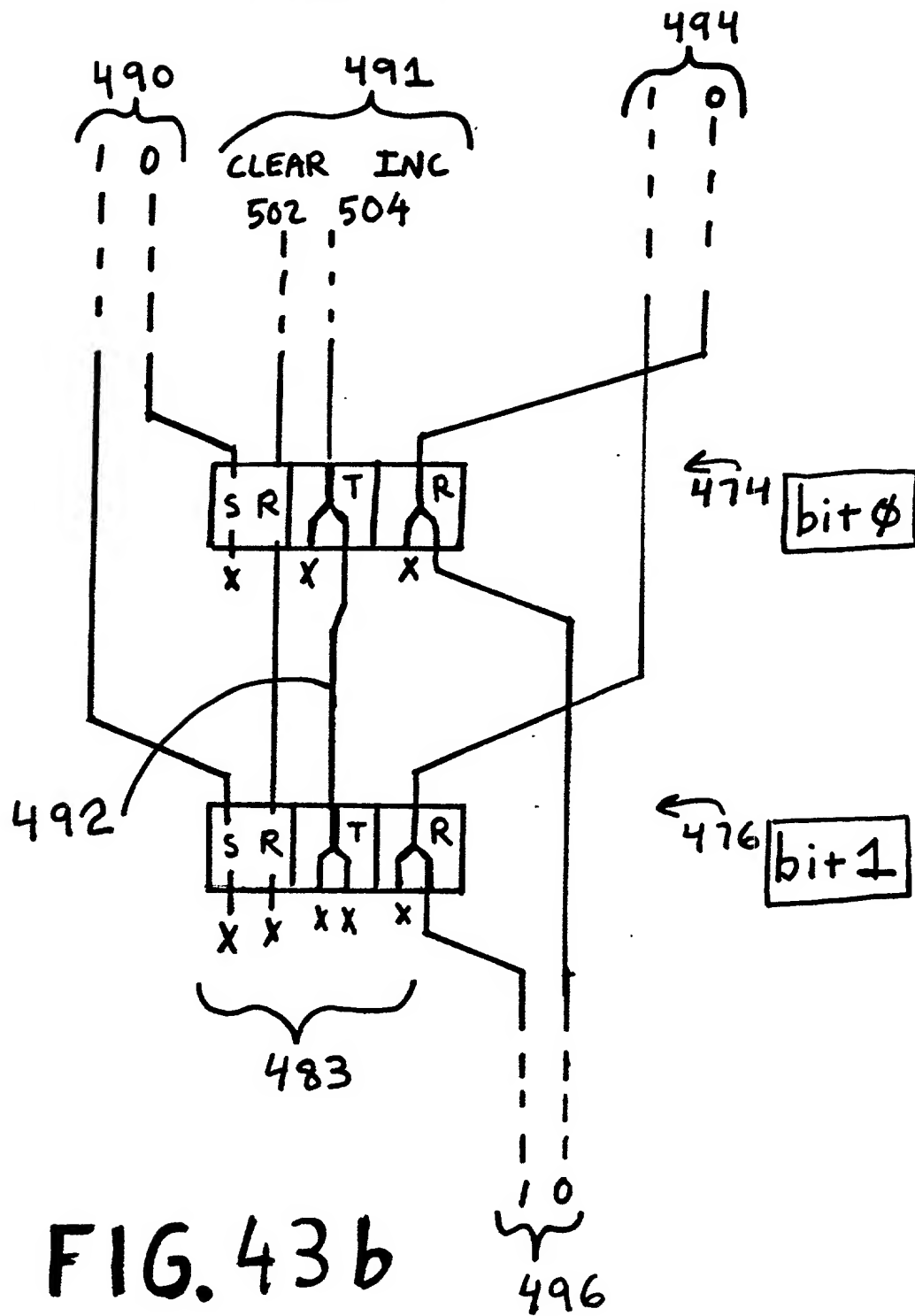


FIG. 43b

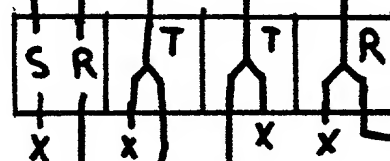
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506
3 2 1 0

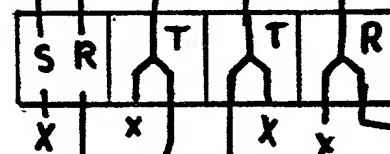
CLEAR 502
INC 501
DEC 503

510
3 2 1 0

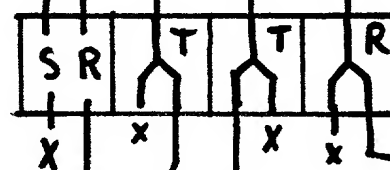
600 →



STAGE 0
bit 0



STAGE 1
bit 1



STAGE 2
bit 2



STAGE 3
bit 3

FIG. 44

514

3 2 1 0
516

20170109 09564007

Fig. 45

